

SO System Safety Development Center Glossary
 DEF (SSDC) The largest observation during a given period of observation.

EXTREME VALUE PROJECTION (SSDC)

DA October 12, 1990
 BT1 Measurements
 RT Derived Projection
 RT Extreme Value
 RT Risk Assessment
 SO System Safety Development Center Glossary
 DEF (SSDC) Risk projection based upon the worst event each period over a number of periods, such as the worst property damage case each 6 months over a period of 5 years.

EXTREMELY HAZARDOUS SUBSTANCES

(CERCLA; CFR; EMER)
 DA October 12, 1990
 BT1 Hazardous Substances
 BT1 Hazardous Chemicals
 BT2 Hazardous Substances
 RT CERCLA Hazardous Substances
 RT Listed Hazardous Substances
 RT Threshold Planning Quantities
 SO Compensation and Liability
 SO Emergency Preparedness
 DEF (EMER) Any of 406 chemicals identified by EPA on the basis of toxicity, and listed under SARA (Superfund Amendments and Reauthorization Act of 1986) Title III. The list is subject to revision.

EXTREMELY HAZARDOUS WASTES (EMER)

DA February 1, 1991
 BT1 Hazardous Wastes
 BT2 Hazardous Materials
 BT3 Materials
 BT2 Wastes
 SO Emergency Preparedness
 DEF (EMER) Any dangerous wastes which will persist in a hazardous form for several years or more at a disposal site. It presents a significant environmental hazard, may be concentrated by living organisms through a food chain, or may affect the genetic makeup of humans or wildlife. It is highly toxic to humans or wildlife if disposed of in such quantities as would present an extreme hazard to humans or the environment.

EXTREMITIES

(Doe Order 5480.11)
 DA October 12, 1990
 BT1 Human Body Parts
 RT Whole Body
 SO Industrial Hygiene
 DEF (DOE Order 5480.11) Extremities

include hands and arms below the elbow or feet and legs below the knee.

EYE(S)

(1084 EYE)
 DA November 28, 1990
 BT1 Face
 BT2 Head
 BT3 Human Body Parts
 RT Area Around Eye
 RT Eye Protection
 RT Eyelid(s)
 RT Goggles
 RT Safety Glasses
 RT Safety Glasses W Side Shields
 RT Side Shields
 SO DOE FRASE VOCABULARY

EYE PROTECTION

(2658 EYE PROTECTI)
 DA January 3, 1991
 BT1 Personal Protective Equipment
 BT2 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)
 BT3 Equipment
 NT1 Goggles
 NT1 Safety Glasses
 NT2 Safety Glasses W Side Shields
 NT2 Tinted Safety Glasses
 NT1 Side Shields
 RT Area Around Eye
 RT Eye(s)
 RT Eyelid(s)
 SO DOE FRASE VOCABULARY

EYELID(S)

(1082 EYELID)
 DA November 28, 1990
 BT1 Area Around Eye
 BT2 Face
 BT3 Head
 BT4 Human Body Parts
 RT Conjunctivitis
 RT Eye Protection
 RT Eye(s)
 SO DOE FRASE VOCABULARY

F-V

DA October 12, 1990
 SEE Fussell-Vesely
 SO Acronyms

F/S

DA October 12, 1990
 SEE Frequency/Severity
 SO Acronyms

FAA

DA October 12, 1990
 SEE Federal Aviation Administration
 SO Acronyms

FABRIC FILTERS

(EPA)
 DA October 12, 1990
 BT1 Filters

BT2 Devices
 SO Environmental Protection Agency Glossary
 DEF (EPA) Cloth devices that catch dust particles from industrial emissions.

FABRICATING

(CAA; CFR)
 DA October 12, 1990
 BT1 Manufacturing Processes
 BT2 Processes
 RT Commercial Asbestos
 SO Air Pollution
 DEF (CFR) Any processing of a manufactured product that contains commercial asbestos, with the exception of processing at temporary sites for the construction or restoration of facilities.

FACE

(1081 FACE)
 DA November 28, 1990
 BT1 Head
 BT2 Human Body Parts
 NT1 Area Around Eye
 NT2 Eyelid(s)
 NT1 Eye(s)
 NT1 Lip(s)
 NT1 Nose
 RT Faceshield
 RT Mouth
 SO DOE FRASE VOCABULARY

FACESHIELD

(2659 FACESHIELD)
 DA January 3, 1991
 BT1 Head Protection
 BT2 Personal Protective Equipment
 BT3 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)
 BT4 Equipment
 RT Face
 RT Forehead
 SO DOE FRASE VOCABULARY

FACILITIES

(DOE Order 5000.3; SWDA; CERCLA; CAA; CFR; ESH; EMER)
 DA October 12, 1990
 NT1 Affected Facilities
 NT1 Air Force Base
 NT1 Air Force Engineering and Services Center
 NT1 Asbestos Mills
 NT1 Atomic Energy Act Facilities
 NT1 Ceramic Plants
 NT1 Classified Telecommunications Facilities
 NT1 Command Posts
 NT1 Consolidated Incinerator Facility
 NT1 Contract Labs
 NT1 Critical Facilities
 NT1 Defense Waste Processing Facility
 NT1 Direct Dischargers
 NT1 DOE Nuclear Weapons Complex
 NT1 DOE Property

NT1 Elemental Phosphorus Plants
 NT1 Essential Facilities
 NT1 Ethylene Dichloride Plants
 NT1 Existing Facilities
 NT2 Reconstructed Sources
 NT1 Extraction Plants
 NT1 Facilities and Buildings (DOE
 FRASE Vocabulary)
 NT2 Building (DOE FRASE Vocabulary)
 NT3 Containment Building
 NT3 Demineralizer Plant
 NT3 Fire Station
 NT3 Garage
 NT3 Guard Station
 NT3 Hospital
 NT3 Hot Shop
 NT3 Machine Shop
 NT3 Maintenance Shop
 NT3 Motel/Hotel
 NT3 Research & Development
 Laboratory
 NT3 Restaurant
 NT3 Sewage Plant
 NT3 Steam Plant
 NT2 Facility (DOE FRASE Vocabulary)
 NT3 Fuel Fabrication Facility
 NT3 Fusion Facility
 NT3 Hot Cell Facility
 NT3 Irradiated Fuel Process Facility
 NT3 Irradiated Fuel Storage Facility
 NT3 Low Power Reactor Facility
 NT3 Nuclear Facility
 NT3 Particle Accelerator Facility
 NT3 Production Reactor Facility
 NT3 Rad Waste Treatment/Storage
 Facility
 NT3 Test Reactor Facility
 NT3 Waste Monitoring Facility
 NT1 Fast Flux Test Facility
 NT1 Federal Facilities
 NT2 Federal Class I areas
 NT3 Mandatory Class I Federal Areas
 NT2 Government-Owned
 Contractor-Operated Facilities
 NT3 Argonne National Laboratory
 NT4 Argonne National
 Laboratory-East (Chicago)
 NT4 Argonne National
 Laboratory-West (At INEL)
 NT3 Energy Technology Engineering
 Center (Canoga Park)
 NT3 Feed Materials Production Center
 NT3 Idaho Chemical Processing Plant
 NT3 Idaho National Engineering
 Laboratory
 NT4 Power Burst Facility
 NT3 Inhalation Toxicology Research
 Institute
 NT3 Kansas City Plant
 NT3 Lawrence Livermore National
 Laboratory
 NT3 Lawrence Berkeley Laboratory
 NT3 Los Alamos National Laboratory
 NT3 Nevada Test Site
 NT3 Oak Ridge Gaseous Diffusion
 Plant
 NT3 Oak Ridge National Laboratory
 NT3 Pacific Northwest Laboratory
 NT3 Paducah Gaseous Diffusion Plant
 (Paducah)

NT3 Portsmouth Gaseous Diffusion
 Plant
 NT3 Rocky Flats Plant
 NT3 Sandia National Laboratories
 NT4 Sandia National
 Laboratories-Albuquerque
 NT4 Sandia National
 Laboratories-Livermore
 NT3 Savannah River Site
 NT3 Stanford Linear Accelerator
 Center
 NT3 Strategic Petroleum Reserve
 NT3 Waste Isolation Pilot Plant
 NT3 Y-12 Plant
 NT1 Fixed Sources
 NT1 Foundries
 NT1 Gas Centrifuge Enrichment Plant
 NT1 Gaseous Diffusion Plant
 NT1 Grand Gulf Nuclear Station
 NT1 Hazardous Waste Facilities
 NT2 Hazardous Waste Management
 Facilities
 NT3 Disposal Facilities
 NT4 Land Disposal Facilities
 NT5 Near Surface Disposal Facilities
 NT4 Repositories
 NT4 Test and Evaluation Facilities
 NT3 Existing Hazardous Waste
 Management (HWM) Facilities
 NT3 New Hazardous Waste
 Management (HWM) Facilities
 NT3 Off-Site Facilities
 NT3 On-Site Facilities
 NT2 Totally Enclosed Treatment
 Facilities
 NT1 Inactive Facilities
 NT1 Industrial Buildings
 NT1 Land Treatment Facilities
 NT1 Major Facilities
 NT1 Mercury Ore Processing Facilities
 NT1 Model Plants
 NT1 Natural Gas Processing Plants
 NT1 New Facilities
 NT1 Nitric Acid Plants
 NT1 Non-Fractionating Plants
 NT1 Non-Nuclear Facilities
 NT1 NRC-Licensed Facilities
 NT1 Nuclear Facilities
 NT2 Fixed Nuclear Facilities
 NT2 New Storage Facilities
 NT2 Nuclear Power Plants
 NT2 Plutonium Processing and
 Handling Facilities
 NT2 Plutonium Storage Facilities
 NT2 Reactor Facilities
 NT3 Low Power Reactor Facility
 NT3 Production Reactor Facility
 NT3 Test Reactor Facility
 NT2 Waste Isolation Pilot Plant
 NT1 Offshore Facilities
 NT1 On-Shore Facilities
 NT1 Pipeline Facilities
 NT1 Polyvinyl Chloride Plants
 NT2 Vinyl Chloride Plants
 NT1 Portsmouth Uranium Enrichment
 Complex
 NT1 Pretreatment Facilities
 NT1 Process Experimental Pilot Plant
 NT1 Production Facilities
 NT1 Propellant Plants
 NT1 Radio Repeater Stations

NT1 Resource Recovery Facilities
 NT1 Retrieval Containment Building
 NT1 Security Facilities
 NT1 Shelters
 NT1 Significant Municipal Facilities
 NT1 Smelters
 NT2 Primary Copper Smelter
 NT1 Sodium Components Test
 Installation
 NT1 Solid Waste Management Facilities
 NT1 Stationary Sources
 NT2 Existing Stationary Facilities
 NT2 Existing Sources
 NT2 Major Stationary Source
 NT3 Major Emitting Facilities
 NT3 Major PSD Stationary Source
 NT2 Modified Sources
 NT2 New Sources
 NT2 Point Sources
 NT1 Sulfuric Acid Plants
 NT1 Support Buildings
 NT1 Surplus Facilities
 NT1 Transfer Facilities
 NT1 Transuranic Waste Facility
 NT1 Transuranic Waste Treatment and
 Storage Facility
 NT1 Treatment Facilities
 NT2 Grout Treatment Facility
 NT2 Land Treatment Facilities
 NT2 Publicly Owned Treatment Works
 NT3 Water Systems
 NT4 Public Water Systems
 NT5 Community Water Systems
 NT5 Drinking Water System
 NT5 Non-Community Water
 Systems
 NT5 Non-Transient Non-Community
 Water System
 NT5 Water Supply System
 NT4 Storm Water Collection Systems
 NT4 Waste Water System
 NT5 Waste Water Collection
 Systems
 NT2 Totally Enclosed Treatment
 Facilities
 NT1 Treatment, Storage, and Disposal
 Facilities
 NT2 Designated Facilities
 NT2 Totally Enclosed Treatment
 Facilities
 NT1 Turbine Building
 NT1 Utilization Facilities
 NT1 Vital Facilities
 NT1 Waste Treatment Plants
 NT2 Waste Experimental Reduction
 Facility
 NT2 Waste Handling and Packaging
 Plant
 NT2 Waste Receiving and Processing
 Plant
 NT3 Mixed Waste Management
 Facility
 RT Accident Sites
 RT Authorized Representatives
 RT Balance of Plant
 RT Base Shear
 RT Bases
 RT Facility Components
 RT Facility Authority
 RT Facility Boundaries
 RT Facility Mailing Lists

RT Functional Units
 RT Real Property
 RT Self-Assessment
 RT Sites / Areas
 RT Siting
 RT Structures (DOE FRASE Vocabulary)
 RT Targets
 SO Air Pollution
 SO Compensation and Liability
 SO Construction
 SO Emergency Preparedness
 SO Environmental Management
 SO Hazardous Materials
 SO Management
 SO Wastes
 SO Water Pollution
 DEF (ESH) Systems, buildings, utilities, services, and related activities whose use is directed to a common purpose at a single location. Examples include accelerators, storage areas, test loops, nuclear reactors, coal conversion plants, magnetohydrodynamics (MHD) experiments, windmills, radioactive waste disposal systems and burial grounds, testing laboratories, research laboratories, and accommodations for analytical examinations of irradiated and unirradiated components. Also includes pipelines, ponds, impoundments, landfills and the like, and motor vehicles, rolling stock, and aircraft. / Also see any appropriate statute or regulation for specific definition.

FACILITIES AND BUILDINGS (DOE FRASE VOCABULARY) (DOE FRASE Vocabulary Numeric Keys 1775-1849)

DA January 17, 1991
 BT1 Facilities
 NT1 Building (DOE FRASE Vocabulary)
 NT2 Containment Building
 NT2 Demineralizer Plant
 NT2 Fire Station
 NT2 Garage
 NT2 Guard Station
 NT2 Hospital
 NT2 Hot Shop
 NT2 Machine Shop
 NT2 Maintenance Shop
 NT2 Motel/Hotel
 NT2 Research & Development Laboratory
 NT2 Restaurant
 NT2 Sewage Plant
 NT2 Steam Plant
 NT1 Facility (DOE FRASE Vocabulary)
 NT2 Fuel Fabrication Facility
 NT2 Fusion Facility
 NT2 Hot Cell Facility
 NT2 Irradiated Fuel Process Facility
 NT2 Irradiated Fuel Storage Facility
 NT2 Low Power Reactor Facility
 NT2 Nuclear Facility

NT2 Particle Accelerator Facility
 NT2 Production Reactor Facility
 NT2 Rad Waste Treatment/Storage Facility
 NT2 Test Reactor Facility
 NT2 Waste Monitoring Facility
 RT DOE FRASE Categories
 RT Targets
 SO DOE FRASE VOCABULARY
 DEF A subject category used with the DOE FRASE Vocabulary.

FACILITY (DOE FRASE VOCABULARY) (1778 Facility)

DA January 31, 1991
 BT1 Facilities and Buildings (DOE FRASE Vocabulary)
 BT2 Facilities
 NT1 Fuel Fabrication Facility
 NT1 Fusion Facility
 NT1 Hot Cell Facility
 NT1 Irradiated Fuel Process Facility
 NT1 Irradiated Fuel Storage Facility
 NT1 Low Power Reactor Facility
 NT1 Nuclear Facility
 NT1 Particle Accelerator Facility
 NT1 Production Reactor Facility
 NT1 Rad Waste Treatment/Storage Facility
 NT1 Test Reactor Facility
 NT1 Waste Monitoring Facility
 SO DOE FRASE VOCABULARY

FACILITY AUTHORITY

(DOE Order 6430.1A)
 DA October 12, 1990
 BT1 Personnel
 RT Facilities
 SO Construction
 DEF (DOE Order 6430.1A) The individual, designated by the DOE project manager, developing specific project criteria not contained in the DOE 6430.1A.

FACILITY BOUNDARIES

(DOE Order 6430.1A)
 DA October 12, 1990
 BT1 Structures (DOE FRASE Vocabulary)
 RT Facilities
 RT Tension Wires
 SO Construction
 DEF (DOE Order 6430.1A) Fences or other barriers that surround and prevent uncontrolled access to the facility or facilities.

FACILITY COMPONENTS

(CAA; CFR)
 DA October 12, 1990
 NT1 Industrial Furnaces
 NT2 Glass Melting Furnaces
 NT3 Pot Furnaces
 NT1 New Tank Components
 NT1 Piping
 NT2 Connected Piping
 NT2 Vitrified Clay Pipe
 NT1 Reactors (Chemical)

NT1 Tanks
 NT2 Aboveground Tanks
 NT2 Aeration Tanks
 NT2 Boron Injection Tank
 NT2 Cargo Tanks
 NT2 Clarifiers
 NT2 Condensate Storage Tank
 NT2 Containment Storage Tanks
 NT2 Coolant Return Tank
 NT2 Core Flood Tanks
 NT2 Double-shell Tank
 NT2 Evaporator Condensate Tank
 NT2 Farm Tanks
 NT2 Flow-Through Process Tanks
 NT2 Fuel Tanks
 NT2 Hydraulic Lift Tanks
 NT2 Inground Tanks
 NT2 On Ground Tanks
 NT2 Portable Tanks
 NT3 Intermodal Portable Tanks
 NT2 Quench Tanks
 NT2 Refueling Water Storage Tank
 NT2 Residential Tanks
 NT2 Safety Injection Tank
 NT2 Sedimentation Tanks
 NT2 Settling Tanks
 NT2 Single Shell Tanks
 NT2 Underground Tanks
 NT3 Underground Storage Tanks
 NT4 Non-Operational Storage Tanks
 NT4 Septic Tanks
 NT2 Wastewater Treatment Tanks
 NT1 Turbine
 RT Facilities
 SO Air Pollution
 DEF (CFR) Any pipe, duct, boiler, tank, reactor, turbine, or furnace at or in a facility; or any structural member of a facility.

FACILITY MAILING LISTS

(SWDA; RCRA)
 DA October 19, 1990
 RT Facilities
 SO Wastes
 DEF (SWDA; RCRA) The mailing lists for facilities maintained by EPA.

FACILITY MANAGERS

(DOE Order 5000.3A)
 DA December 14, 1990
 BT1 Personnel
 SO Management
 DEF (DOE Order 5000.3A) Those individuals, or their designees usually but not always contractors, who have direct line responsibility for operation of a facility or group of related facilities, including authority to direct physical changes to the facility.

FACT

(SSDC)
 DA October 12, 1990
 SO System Safety Development Center Glossary
 DEF (SSDC) (A) Actuality, actual existence, event, objective reality.

(b) That which is perceived with the senses.

FACTOR RELATIONSHIP AND SEQUENCE OF EVENTS VOCABULARY

DA February 28, 1991
SY DOE FRASE VOCABULARY
SY FRASE Vocabulary
BT1 Vocabulary
RT Safety Performance Measurement System
SO Environmental Management
DEF A controlled vocabulary designed for searching the narrative description fields of records on the Safety Performance Measurement System (SPMS).

FACTORY MUTUAL

(SSDC)
DA October 12, 1990
SF FM
RT Insurance
SO System Safety Development Center Glossary
DEF (SSDC) A group of mutual insurers, underwriting large highly protected properties. They place strong emphasis in and are experts on loss prevention engineering.

FAIL-SAFE

(DOE Order 6430.1A)
DA October 12, 1990
RT Vital Equipment
SO Construction
DEF (DOE Order 6430.1A) A design characteristic by which a unit or system will become safe and remain safe if a system or component fails or loses its activation energy.

FAILED ELEMENT MONITORS

(NFI)
DA October 12, 1990
BT1 Failures
BT2 Accidents
BT1 Monitors
BT2 Equipment
RT HARP
SO Nuclear Facilities Incident Database
SO Radiation
DEF (NFI) Low Energy Gamma Monitors; Ten-Minute Delay Monitors; Blanket Gas Activity Monitors; Gas Chromatographs.

FAILED FUEL ELEMENT

DA January 8, 1991
SF FFE
BT1 Failures
BT2 Accidents

FAILED INSTRUMENT COMPONENT INSPECTION

DA January 8, 1991
SF FICI

BT1 Inspections
BT2 Administrative Processes
BT3 Processes

FAILURE MODE AND EFFECT ANALYSIS

(SSDC)
DA October 12, 1990
SF FMEA
BT1 Analyses
RT Failures
RT Safety Program Reviews
RT System Safety
SO System Safety Development Center Glossary
DEF (SSDC) A basic system safety technique wherein the kinds of failures that might occur and their effect on the overall product or system are considered. Example: The effect on a system by the failure of a single component, such as a register or a hydraulic valve.

FAILURE REPORTING ANALYSIS AND CORRECTIVE ACTION SYSTEM

DA January 8, 1991
SF FRACAS
BT1 Information Systems
BT2 Security Interests
BT2 Systems
RT Analyses
RT Failures
RT Reports

FAILURES

DA February 12, 1991
BT1 Accidents
NT1 Catastrophic Collapses
NT1 Common Cause Failure
NT1 Containment Failure
NT1 Failed Element Monitors
NT1 Failed Fuel Element
NT1 Flow Failures
NT1 Ground Failures
NT2 Differential Settlement
NT2 Flow Failures
NT2 Landslides
NT2 Lateral Spreads
NT1 Malfunctions
NT1 No Containment Failure
NT1 PCB Transformer Rupture
NT1 Single Failure
NT1 Steam Generator Tube Rupture
NT1 Structural Collapse
RT Failure Mode and Effect Analysis
RT Failure Reporting Analysis and Corrective Action System
RT Phase Failure Relays
RT Predictive Maintenance
RT Reliability-Centered Maintenance
RT Root Cause Analysis
SO Management
SO Radiation

FALL PROTECTION DEVICE

(2660 FALL PROTECT)
DA January 3, 1991
BT1 Devices

BT1 Personal Protective Equipment
BT2 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)
BT3 Equipment
NT1 Safety Belt
NT1 Safety Line
NT1 Safety Net
SO DOE FRASE VOCABULARY

FAR

DA October 12, 1990
SEE Federal Aviation Regulation
SO Acronyms

FARM TANKS

(SWDA; RCRA; CFR)
DA October 12, 1990
BT1 Tanks
BT2 Facility Components
SO Wastes
DEF (CFR) Tanks located on a tract of land devoted to the production of crops or raising animals, including fish, and associated residences and improvements. Farm tanks must be located on the farm property. "Farm" includes fish hatcheries, rangeland and nurseries with growing operations.

FAST FLUX TEST FACILITY

DA January 8, 1991
SF FFTF
BT1 Facilities
BT1 Test Area
BT2 Area
BT3 Sites/Areas

FAST RESPONSE GAMMA THERMOMETER

DA January 8, 1991
SF FRGT
BT1 Equipment/Parts - Instrumentation/Measuring (DOE FRASE Voc.)
BT2 Equipment

FAULT TREE

(SSDC)
DA October 12, 1990
BT1 Analytical (Logic) Trees
BT2 Diagrams
NT1 Management Oversight and Risk Tree
SO System Safety Development Center Glossary
DEF (SSDC) An analytical tree used to determine fault. These may be used in accident/incident investigation or to determine accident potential before one has occurred.

FAULT TREE ANALYSIS

DA January 8, 1991
SF FTA
BT1 Analyses

FAULTS

(SDWA; CFR; SSDC)
 DA October 12, 1990
 NT1 Capable Fault
 NT1 Horizontal Displacements
 NT1 Surface Faulting
 NT2 Dip-Slip
 NT2 Oblique Slip
 NT2 Strike Slip
 NT1 Transmissive Faults
 NT1 Transmissive Fractures
 RT Control Width
 RT Ground Cracks
 RT Ground Failures
 RT Subsidence
 RT Tectonic Deformations
 RT Uplifts
 SO Environmental Management
 SO System Safety Development Center
 Glossary
 SO Water Pollution
 DEF Surfaces or zones of rock fracture
 along which there has been
 displacement.

FCs

DA October 12, 1990
 SEE Fluorocarbons
 SO Acronyms

FDA

DA October 12, 1990
 SEE Fuel Distribution Analyzer
 SO Acronyms

Fe (Periodic Element)

DA October 12, 1990
 SEE Iron
 SO Acronyms

FEASIBILITY STUDIES

(CERCLA; CFR)
 DA October 12, 1990
 BT1 Studies
 RT Remedial Investigations
 SO Compensation and Liability
 SO Environmental Management
 SO Environmental Protection Agency
 Glossary
 DEF (CFR) Processes undertaken by
 the lead agency (or responsible
 party if the responsible party will
 be developing a cleanup proposal)
 for developing, evaluating, and
 selecting remedial actions which
 emphasizes data analysis. See 40
 CFR 300.6 for additional
 explanation. (EPA) (1) Analyses of
 the practicability of a proposal;
 e.g., a description and analysis of
 the potential cleanup alternatives
 for a site or alternatives for a site
 on the National Priorities List.
 Feasibility studies usually
 recommend selection of a
 cost-effective alternative. They
 usually start as soon as the
 remedial investigation is
 underway; together, they are

commonly referred to as the
 "RI/FS". The term can apply to a
 variety of proposed corrective or
 regulatory actions. (2) In research,
 small-scale investigations of a
 problem to ascertain whether or
 not a proposed research approach
 is likely to provide useful data.

FECAL COLIFORM BACTERIA

(EPA)
 DA October 12, 1990
 BT1 Coliform Organisms
 BT2 Bacteria
 BT3 Microorganisms
 BT4 Organisms
 RT Coliform Index
 RT Viruses
 SO Environmental Protection Agency
 Glossary
 DEF (EPA) Bacteria found in the
 intestinal tracts of mammals. Their
 presence in water or sludge is an
 indicator of pollution and possible
 contamination by pathogens.

FEDERAL AGENCIES

(SWDA; RCRA; SDWA; ESA; CFR)
 DA October 12, 1990
 BT1 Agencies
 BT2 Administrative Organizations
 BT3 Organizations
 NT1 Atomic Energy Commission
 NT1 Cognizant Federal Agencies
 NT1 DOE Design Agency
 NT1 DOE Production Agency
 NT1 Federal Aviation Administration
 NT1 Lead Agencies
 NT1 National Aeronautic and Space
 Administration
 NT1 Nuclear Regulatory Commission
 NT2 NRC Office of Nuclear Reactor
 Regulation
 NT2 NRC Office of Nuclear Regulatory
 Research
 NT1 Occupational Safety and Health
 Administration
 NT1 Office of Management and Budget
 NT1 Procuring Agencies
 NT1 U.S. Department of Energy
 NT2 Headquarters Operations
 NT2 Naval Reactors
 NT2 Operations Offices
 NT3 Albuquerque Operations Office
 NT3 Chicago Operations Office
 NT3 Idaho Operations Office
 NT3 Nevada Operations Office
 NT3 Oak Ridge Operations Office
 NT3 Richland Operations Office
 NT3 San Francisco Operations Office
 NT3 Savannah River Operations
 Office
 NT2 Program Offices
 NT3 Office of the Assistant Secretary
 for Nuclear Energy
 NT3 Office of the Assistant Secretary
 for Fossil Energy
 NT3 Office of the Assistant Secretary
 for Defense Programs

NT3 Office of the Assistant Secretary
 for Conservation et.al.
 NT3 Office of the Assistant Secretary
 for Environment, et. al.
 NT4 Office of Special Projects
 NT3 Office of Environmental
 Restoration and Waste
 Management
 NT3 Office of New Production
 Reactors
 NT3 Office of Civilian Radioactive
 Waste Management
 NT3 Office of Energy Research
 NT4 Office of Basic Energy Sciences
 NT4 Office of Health and
 Environmental Research
 NT1 U.S. Department of Justice
 NT1 U.S. Department of Labor
 NT1 U.S. Department of Transportation
 NT2 Research and Special Programs
 Administration
 NT1 U.S. Environmental Protection
 Agency
 NT2 Regional Office
 NT1 User Agencies
 RT Agency Actions
 RT Application for Federal Assistance
 RT Authorized Officers
 RT Natural Resource Trustees
 RT Program Organizations
 RT Regulatory Organizations
 RT State Agencies
 SO Endangered Species
 SO Environmental Management
 SO Wastes
 SO Water Pollution
 DEF Departments, agencies, or
 instrumentalities of the United
 States.

FEDERAL AVIATION ADMINISTRATION

DA January 8, 1991
 SF FAA
 BT1 Federal Agencies
 BT2 Agencies
 BT3 Administrative Organizations
 BT4 Organizations

FEDERAL AVIATION REGULATION

DA January 8, 1991
 SF FAR
 BT1 Code of Federal Regulations
 BT2 Codes, Standards, and
 Regulations
 BT2 Statutes and Regulations

FEDERAL CLASS I AREAS

(CFR)
 DA November 15, 1990
 BT1 Air Quality Control Regions
 BT2 Sites/Areas
 BT1 Federal Facilities
 BT2 Facilities
 NT1 Mandatory Class I Federal Areas
 RT Federal Land Managers
 DEF (CFR) Federal lands that are
 classified or reclassified "Class I".

FEDERAL COORDINATING OFFICERS (EMER)

DA February 1, 1991
 BT1 Personnel
 SO Emergency Preparedness
 DEF (EMER) The individuals designated by the president or his/her representative to coordinate overall federal response activities under the Disaster Relief Act, Public Law 93-288.

FEDERAL EMPLOYEE OCCUPATIONAL SAFETY AND HEALTH PROGRAM

(Doe Orders 5480.1B and 5482.1B)
 DA October 12, 1990
 BT1 Programs
 RT National Institute for Occupational Safety and Health
 RT Occupational Safety and Health Administration
 RT Occupational Medical Program
 SO Construction
 SO Industrial Hygiene
 DEF That program mandated by Executive Order 12196 and implemented by 29 CFR 1960, DOE 3790.1A, and DOE 3790.2.

FEDERAL FACILITIES

DA January 24, 1991
 BT1 Facilities
 NT1 Federal Class I areas
 NT2 Mandatory Class I Federal Areas
 NT1 Government-Owned Contractor-Operated Facilities
 NT2 Argonne National Laboratory
 NT3 Argonne National Laboratory-East (Chicago)
 NT3 Argonne National Laboratory-West (At INEL)
 NT2 Energy Technology Engineering Center (Canoga Park)
 NT2 Feed Materials Production Center
 NT2 Idaho Chemical Processing Plant
 NT2 Idaho National Engineering Laboratory
 NT3 Power Burst Facility
 NT2 Inhalation Toxicology Research Institute
 NT2 Kansas City Plant
 NT2 Lawrence Livermore National Laboratory
 NT2 Lawrence Berkeley Laboratory
 NT2 Los Alamos National Laboratory
 NT2 Nevada Test Site
 NT2 Oak Ridge Gaseous Diffusion Plant
 NT2 Oak Ridge National Laboratory
 NT2 Pacific Northwest Laboratory
 NT2 Paducah Gaseous Diffusion Plant (Paducah)
 NT2 Portsmouth Gaseous Diffusion Plant
 NT2 Rocky Flats Plant
 NT2 Sandia National Laboratories
 NT3 Sandia National Laboratories-Albuquerque

NT3 Sandia National Laboratories-Livermore
 NT2 Savannah River Site
 NT2 Stanford Linear Accelerator Center
 NT2 Strategic Petroleum Reserve
 NT2 Waste Isolation Pilot Plant
 NT2 Y-12 Plant
 RT Federal Facilities Agreement
 RT General Purpose Facilities Projects
 SO Environmental Management
 DEF (CFR) Any building, installation, structure, land or public work owned by or leased to the federal government. Ships at sea, aircraft in the air, land forces on maneuvers, and other mobile facilities are not considered federal facilities. United States Government installations located on foreign soil or on land outside the jurisdiction of the United States Government are not considered federal facilities.

FEDERAL FACILITIES AGREEMENT

DA January 8, 1991
 SF FFA
 BT1 Agreements
 NT1 Federal Facilities Compliance Agreement
 RT Federal Facilities

FEDERAL FACILITIES COMPLIANCE AGREEMENT

DA January 8, 1991
 SF FFCA
 BT1 Federal Facilities Agreement
 BT2 Agreements
 BT1 Interagency Agreement
 BT2 Agreements
 DEF An interagency agreement usually entered into between the United States Environmental Protection Agency and the Head of an Executive Agency. The content of the Agreement generally pertains to environmental cleanup, ensuring that any environmental impacts associated with past and/or present activities at a federal facility are thoroughly and adequately investigated so that appropriate remedial response actions can be formulated, assessed, and implemented as each individual situation warrants.

FEDERAL FIELD EXERCISES (EMER)

DA February 1, 1991
 BT1 Exercises
 RT Full-Scale Exercises
 SO Emergency Preparedness
 DEF (EMER) Exercises of the Federal Radiological Emergency Response Plan involving federal agencies in support of the cognizant federal agency and state and local governments.

FEDERAL LAND MANAGERS

(SWDA; RCRA; CAA; ARPA; CFR)
 DA April 24, 1991
 BT1 Personnel
 RT Archaeological Resources Protection Act of 1979
 RT Archaeological Resources
 RT Federal Class I areas
 SO Air Pollution
 SO Environmental Management
 SO Wastes
 DEF (ARPA) With respect to any public lands, the Secretary of the department, or the head of any other agency or instrumentality of the United States, having primary management authority over such lands. In the case of any public lands or Indian lands with respect to which no department, agency, or instrumentality has primary management authority, such term means the Secretary of the Interior. If the Secretary of the Interior consents, the responsibilities (in whole or in part) under ARPA of the Secretary of any department (other than the Department of the Interior) or the head of any other agency or instrumentality may be delegated to the Secretary of the Interior with respect to any land managed by such other Secretary or agency head, and in any such case, the term "Federal land manager" means the Secretary of the Interior.

FEDERAL RADIOLOGICAL EMERGENCY RESPONSE PLANS (EMER)

DA February 1, 1991
 BT1 Plans
 NT1 Federal Radiological Monitoring and Assessment Plans
 RT Procedures
 SO Emergency Preparedness
 DEF (EMER) Comprehensive, coordinated plans broadly describing the entire federal government response to radiological emergencies in support of federal, state, and local government agencies.

FEDERAL RADIOLOGICAL MONITORING AND ASSESSMENT CENTERS (EMER)

DA February 1, 1991
 BT1 Centers
 RT Assessments
 SO Emergency Preparedness
 DEF (EMER) Centers at or near the scene of a radiological incident which coordinates all off-site federal radiological monitoring and assessment activities. Information related to the off-site radiological

impact of the accident is transmitted from the FRMAC to the cognizant federal agency and to the state(s).

FEDERAL RADIOLOGICAL MONITORING AND ASSESSMENT PLANS

(EMER)

DA February 1, 1991

BT1 Federal Radiological Emergency Response Plans

BT2 Plans

RT Assessments

SO Emergency Preparedness

DEF (EMER) Plans contained in the Federal Radiological Emergency Response Plan for coordinating federal off-site radiological monitoring and assessment with that of the affected state(s).

FEDERAL RESPONSE CENTERS

(EMER)

DA February 1, 1991

BT1 Centers

SO Emergency Preparedness

DEF (EMER) Centers established by the Federal Emergency Management Agency at locations identified in conjunction with the state that serves as a focal point for federal response team interactions with the state.

FEDERALLY PERMITTED RELEASES

(CERCLA; CFR)

DA October 12, 1990

BT1 Releases

SO Compensation and Liability

SO Environmental Management

DEF (CFR) As defined by section 101(10) of CERCLA, means discharges in compliance with a permit under section 402 of the Federal Water Pollution Control Act; discharges resulting from circumstances identified and reviewed and made part of the public record with respect to a permit issued or modified under section 402 of the Federal Water Pollution Control Act and subject to a condition of such permit; continuous or anticipated intermittent discharges from a point source, identified in a permit or permit application under section 402 of the Federal Water Pollution Control Act, which are caused by events occurring within the scope of relevant operating or treatment systems; discharges in compliance with a legally enforceable permit under section 404 of the Federal Water Pollution Control Act;... (See 40 CFR 300.6 for continuation of definition).

FEED MATERIALS PRODUCTION CENTER

DA January 8, 1991

SF FMPC

BT1 Centers

BT1 Government-Owned

Contractor-Operated Facilities

BT2 Federal Facilities

BT3 Facilities

RT Westinghouse Materials Company of Ohio

DEF A DOE-owned manufacturing facility for the production of uranium metal used in U.S. defense programs. At the present time (May 1991), production at the site has been temporarily suspended. The site is located on 1050-acres of property in a rural area about 20 miles northwest of downtown Cincinnati, Ohio. The production facilities occupy approximately 136 acres near the center of the site.

FEED WATER HEATER(S)

(2482 FEED WATER H)

DA January 3, 1991

BT1 Heater(s)

BT2 Equipment/Parts - Heating (DOE FRASE Vocabulary)

BT3 Equipment

SO DOE FRASE VOCABULARY

FEEDBACK

(SSDC)

DA October 12, 1990

RT Feedback Loop

RT Knowledge of Results

SO System Safety Development Center Glossary

DEF (SSDC) The two-way flow of information between personnel or organizations. In system safety we are especially concerned with good feedback between management and subordinate organizations and also between staff organizations; e.g., safety and line organizations.

FEEDBACK LOOP

(SSDC)

DA October 12, 1990

RT Feedback

SO System Safety Development Center Glossary

DEF (SSDC) The continuous communication network used to achieve feedback.

FEEDLOTS

(EPA)

DA October 12, 1990

BT1 Sites/Areas

SO Environmental Protection Agency Glossary

DEF (EPA) Relatively small, confined areas for the controlled feeding of

animals that tend to concentrate large amounts of animal wastes that cannot be absorbed by the soil and, hence, may be carried to nearby streams or lakes by rainfall runoff.

FEEDWATER

DA January 8, 1991

SF FW

NT1 Auxiliary Feedwater

NT1 Main Feedwater

RT Emergency Feedwater System

DEF (NRC Glossary of Terms: Nuclear Power and Radiation) Water supplied to the reactor pressure vessel (in a Boiling Water Reactor) or the steam generator (in a Pressurized Water Reactor) that removes heat from the reactor fuel rods by boiling and becoming steam. The steam becomes the driving force for the plant turbine generator.

FEFGC

DA October 12, 1990

SEE Fuel Element Failure Gas Chromatograph

SO Acronyms

FENS

(EPA)

DA October 12, 1990

BT1 Wetlands

BT2 Sites/Areas

BT2 Surface Water Resources

BT3 Natural Resources

RT Muck Soils

RT Swamps

SO Environmental Protection Agency Glossary

DEF (EPA) Types of wetlands that accumulate peat deposits. Fens are less acidic than bogs, deriving most of their water from groundwater rich in calcium and magnesium.

FERMENTATION

(EPA)

DA October 12, 1990

BT1 Chemical Processes

BT2 Processes

SO Environmental Protection Agency Glossary

DEF (EPA) Chemical reactions accompanied by living microbes that are supplied with nutrients and other critical conditions such as heat, pressure, and light that are specific to the reaction at hand.

FERRY VESSELS

(SWDA; RCRA; ESH)

DA October 12, 1990

BT1 Vessels

RT Inland Waters

SO Hazardous Materials

DEF Vessels which are limited in their use to the carriage of deck passengers or vehicles or both, operate on a short run on a frequent schedule between two points over the most direct water route, other than in ocean or coastwise service, and are offered as a public service of a type normally attributed to a bridge or tunnel.

FERTILE

(IAEA)

DA October 12, 1990

RT Nuclides

SO Radiation

DEF (IAEA) Of a nuclide, capable of being transformed, directly or indirectly, into a fissile nuclide by neutron capture.

FERTILIZERS

(EPA)

DA October 12, 1990

RT Eutrophication

RT Nutrients

RT Plants

SO Environmental Protection Agency Glossary

DEF (EPA) Materials such as nitrogen and phosphorus that provide nutrients for plants. Commercially sold fertilizers may contain other chemicals or may be in the form of processed sewage sludge.

FFA

DA October 12, 1990

SEE Federal Facilities Agreement

SO Acronyms

FFCA

DA October 12, 1990

SEE Federal Facilities Compliance Agreement

SO Acronyms

FFE

DA October 12, 1990

SEE Failed Fuel Element

SO Acronyms

FFTf

DA October 12, 1990

SEE Fast Flux Test Facility

SO Acronyms

FHAR

DA October 12, 1990

SEE Fire Hazard Analysis Report

SO Acronyms

FICI

DA October 12, 1990

SEE Failed Instrument Component

Inspection

SO Acronyms

FIDUCIARIES

(SSDC)

DA October 12, 1990

SO System Safety Development Center Glossary

DEF (SSDC) Persons or entities entrusted to act for another. For example, the fiduciary of an estate is the executor or administrator.

FIELD AREA

(1607 FIELD AREA)

DA December 10, 1990

BT1 Area

BT2 Sites/Areas

SO DOE FRASE VOCABULARY

FIELD AUDITS

(ESH)

DA October 12, 1990

BT1 Audits (SSDC)

BT2 Administrative Processes

BT3 Processes

SO Quality Assurance

DEF (ESH) Emphasis during field audits is placed on: verifying that operational aspects and procedures are in accordance with the protocols and QA/QC plan; verifying the collection of all samples including duplicates and field blanks; verifying that documentation is in order and sufficient to establish the collection location of any sample collected; determining discrepancies that exist and initiating corrective action as appropriate; and collecting independent samples.

FIELD COMMAND POSTS

(EMER)

DA February 1, 1991

BT1 Sites/Areas

RT Emergency Control Centers

SO Emergency Preparedness

DEF (EMER) Designated areas at or near the scene of an emergency which are the collection centers for the on-scene commander and which are used for response, assessment, and communications to the emergency control center.

FIELD ELEMENTS

(DOE Orders 5480.16, 5484.1, and 6430.1A)

DA October 12, 1990

SY Field Organizations

RT Program Offices

SO Construction

SO Environmental Management

SO Firearms

SO Industrial Safety

DEF A general term for any officially

established Departmental components (excluding individual duty stations) located outside the Washington, DC, metropolitan area.

FIELD FACILITY/BUILDING

EMERGENCY PLANS

(EMER)

DA February 1, 1991

BT1 Emergency Plans

BT2 Plans

RT Field Site Emergency Plans

RT Procedures

SO Emergency Preparedness

DEF (EMER) Plans prepared by headquarters, field elements, field contractors, or offices under field element jurisdiction to guide response to specific buildings or facilities (e.g., office buildings, Forrestal and Germantown buildings, process buildings, laboratories).

FIELD GASES

(CAA; ESH)

DA October 12, 1990

BT1 Natural Gas

BT2 Fossil Fuels

BT3 Fuels

BT3 Geologic Resources

BT4 Natural Resources

BT2 Gases

RT Natural Gas Processing Plants

SO Air Pollution

DEF (ESH) Feedstock gases entering the gas processing plant.

FIELD LEVEL EXEMPTIONS

(Doe Order 5480.4)

DA October 12, 1990

BT1 Exemptions

RT Mandatory Standards

SO Environmental Management

SO Standards

DEF (DOE Order 5480.4) Interim releases from a mandatory standard, granted by the field organization after a request for a temporary or permanent exemption. Such exemptions shall not exceed 180 days and are not renewable.

FIELD MONITORING

(EMER)

DA February 1, 1991

BT1 Monitoring

BT2 Activities

SO Emergency Preparedness

DEF (EMER) The use of sensitive detection equipment by trained personnel to perform measurements to determine the presence and levels of radioactive or other hazardous substance contamination at selected

geographic locations in the off-site environment.

FIELD OPERATIONS PLANS

(ESH)

DA October 12, 1990

SY Sampling Plans

BT1 Plans

RT Maintenance Plans

SO Quality Assurance

DEF (ESH) Documents that are prepared for either continuous or site specific data collection activities (air, water, pesticides, hazardous waste, etc.). Plans should describe project organization and responsibilities, project description (objectives, scope, schedule of tasks and milestones, data usage, monitoring network/sampling and analysis design and rationale), data quality objectives, sampling procedures, calibration, analytical methods, documentation/data reduction/reporting, data assessment, audits, corrective action, reports and safety.

FIELD ORGANIZATIONS

(DOE Order 5483.1A; ESH)

DA October 12, 1990

SY Field Elements

BT1 Departmental Elements

RT DOE Contractors

RT Heads of Field Operations

RT Line Organizations

RT Program Offices

SO Environmental Management

SO Industrial Hygiene

SO Industrial Safety

SO Management

SO Standards

DEF (DOE Order 5483.1A)

Departmental Elements located outside the Washington, D.C. geographical area. (ESH) It is the first line DOE field elements that carry the organizational responsibility for (1) managing and executing assigned programs, (2) directing contractors who conduct the programs, and (3) assuring that environment, safety, and health are integral parts of each program.

FIELD SAMPLING PLANS

(EPA)

DA October 12, 1990

BT1 Sampling Plans

BT2 Plans

BT1 Sampling and Analysis Plans

BT2 Plans

RT Raw Data

SO Environmental Protection Agency Glossary

DEF (EPA) Provide guidance for all fieldwork by defining in detail the sampling and data-gathering methods to be used on a project.

FIELD SITE EMERGENCY PLANS

(EMER)

DA February 1, 1991

BT1 Emergency Plans

BT2 Plans

RT Field Facility/Building Emergency Plans

RT Procedures

SO Emergency Preparedness

DEF (EMER) Plans prepared by field element contractors or other entities under field element jurisdiction to guide their responses for identified credible emergencies.

FILE(S)

(3032 FILE)

DA January 3, 1991

BT1 Tools - Manual

BT2 Tools (DOE FRASE Vocabulary)

BT3 Equipment

SO DOE FRASE VOCABULARY

FILL MATERIALS

(CWA; CFR)

DA October 12, 1990

BT1 Materials

RT Contaminant Carriers

RT Discharge of Fill Material

SO Water Pollution

DEF (CFR) Materials used for the primary purpose of replacing an aquatic area with dry land or of changing the bottom elevation of an waterbody. The term does not include any pollutant discharged into the water primarily to dispose of waste, as that activity is regulated under section 402 of the Clean Water Act.

FILLING

(EPA)

DA October 12, 1990

RT Aquatic Environment

SO Environmental Protection Agency Glossary

DEF (EPA) Depositing dirt and mud or other materials into aquatic areas to create more dry land, usually for agricultural or commercial development purposes. Such activities often damage the ecology of the area.

FILM BADGES

(NIH)

DA October 12, 1990

RT Exposure

RT Radiation Safety

SO Radiation

DEF (NIH) Packets of photographic film used for the approximate measurement of radiation exposure for personnel monitoring purposes. Badges may contain two or more films of differing sensitivity, and they may contain

filters which shield parts of the film from certain types of radiation.

FILTERED VENTED CONTAINMENT

DA January 8, 1991

SF FVC

BT1 Containment

BT2 Processes

FILTERS

DA February 26, 1991

BT1 Devices

NT1 Baghouse Filters

NT1 Fabric Filters

NT1 Filters (Radiology)

NT1 Hepa Filter

NT1 High Efficiency Particulate Air Filters

NT1 Sand Filters

NT1 Trickling Filters

FILTERS (RADIOLOGY)

(NIH)

DA October 12, 1990

BT1 Filters

BT2 Devices

RT Radiation Safety

SO Radiation

DEF (NIH) Primary: Sheets of material, usually metal, placed in a beam of radiation to remove, as far as possible, the less penetrating components of the beam. Secondary: Sheets of material of lower atomic number, relative to that of the primary filter, placed in the filtered beam of radiation to remove characteristic radiation produced by the primary filter.

FILTRATION

(SDWA; CFR)

DA October 12, 1990

BT1 Pollution Recovery Processes

BT2 Processes

NT1 Diatomaceous Earth Filtration

NT1 Direct Filtration

NT1 Flow Sand Filtration

NT1 Slow Sand Filtration

RT Conventional Filtration Treatment

RT Flocculation

SO Environmental Protection Agency Glossary

SO Water Pollution

DEF (EPA) A treatment process, under the control of qualified operators, for removing solid (particulate) matter from water by passing the water through porous media such as sand or a man-made filter. The process is often used to remove particles that contain pathogenic organisms.

FINAL AUTHORIZATIONS

(SDWA; RCRA)

DA October 12, 1990

BT1 Administrative Processes

BT2 Processes

BT1 Permits
 RT Permit (RCRA)
 RT Test Authorizations
 SO Environmental Management
 SO Wastes
 DEF (CFR) Approvals by EPA of a State program which has met the requirements of section 3006(b) of RCRA (Resource Conservation and Recovery Act) and the applicable requirements of 40 CFR 271, Subpart A.

FINAL CLOSURE

(SWDA; RCRA)
 DA October 12, 1990
 BT1 Closure
 BT2 Administrative Processes
 BT3 Processes
 RT Hazardous Waste Management Units
 RT Site Closure and Stabilization
 SO Environmental Management
 SO Wastes
 DEF (CFR) The closure of all hazardous waste management units at the facility in accordance with all applicable closure requirements so that hazardous waste management activities under 40 CFR 264 and 265 are no longer conducted at the facility unless subject to the provisions in 40 CFR 262.34.

FINAL COVER

DA January 24, 1991
 BT1 Cover Materials
 BT2 Materials
 RT Daily Cover
 SO Environmental Management
 DEF (CFR) "Final cover" means cover material that serves the same functions as daily cover but, in addition, may be permanently exposed on the surface.

FINAL SAFETY ANALYSIS REPORT

DA January 8, 1991
 SF FSAR
 BT1 Safety Analysis Reports
 BT2 Reports
 RT Preliminary Safety Analysis Report

FINDING OF NO SIGNIFICANT IMPACT

(DOE Order 5440.1D; ESH)
 DA October 12, 1990
 SF FNSI
 SF FONSI
 BT1 Findings
 RT Environmental Impact Statements
 RT National Environmental Policy Act Documents
 RT Programmatic NEPA Documents
 RT Site-Wide NEPA Documents
 SO Environmental Management
 SO Environmental Protection Agency Glossary

SO Management
 DEF (DOE Order) A document, defined at 40 CFR 1508.13, prepared to record a Departmental decision that the environmental impacts of an action considered in an environmental assessment will not have a significant effect on the human environment and that an environmental impact statement is not required for a proposed action.

FINDINGS

(DOE Order 5482.1B; ESH; TTGM)
 DA October 12, 1990
 NT1 Best Management Practice Findings
 NT1 Compliance Findings
 NT1 Finding of No Significant Impact
 NT1 Noteworthy Practices
 RT Computer Assisted Tracking System
 RT Concerns
 RT Environment Assessments
 RT Investigations
 RT Issue Identification
 RT Management Appraisals
 RT Performance Objectives
 RT Root Causes
 RT Tiger Team Assessments
 RT Tiger Teams
 RT Tiger Team Assessment Reports
 SO Construction
 SO Management
 DEF Statements of fact concerning a condition in the ES&H program that was investigated during an appraisal. They may be a simple statement of proficiency, or a description of a deficiency (i.e., a variance from procedures or criteria). Both severity and potential consequences should be addressed in describing a deficient condition. (SSDC) The results of an investigation; the salient, factual, and analytical highlights of the accident/incident. (TTGM) Tiger Team Assessments include findings in Environmental and Management areas based on: 1) observation of routine operations, emergency exercises, and the physical condition of the site and facilities; 2) interviews with management, staff, operators, and craft personnel; and 3) review of policy statements, records, procedures, and other relevant documents. Findings support Concerns as indicated in Tiger Team Assessments.

FINGER(S)

(1104 FINGER)
 DA November 28, 1990
 BT1 Hand(s)
 BT2 Human Body Parts
 RT Fingernail(s)

RT Thumb(s)
 SO DOE FRASE VOCABULARY

FINGERNAIL(S)

(1105 FINGERNAIL)
 DA November 28, 1990
 BT1 Skin
 BT2 Human Body Parts
 RT Finger(s)
 SO DOE FRASE VOCABULARY

FIRE ALARM SYSTEM

(2033 FIRE ALARM S)
 DA December 10, 1990
 BT1 Alarms
 BT2 Devices
 BT1 Fire Protection Systems
 BT2 Emergency Systems
 BT3 Systems
 BT1 Systems (DOE FRASE Vocabulary)
 BT2 Systems
 RT Fire Escape
 RT Fire Station
 RT Fire Suppression System
 RT Firefighter
 SO DOE FRASE VOCABULARY

FIRE DAMAGE

(1530 FIRE DAMAGE)
 DA November 29, 1990
 BT1 Damage
 BT2 Nature of Property Damage
 RT Heat Damage
 RT Smoke Damage
 SO DOE FRASE VOCABULARY

FIRE ESCAPE

(1697 FIRE ESCAPE)
 DA December 10, 1990
 BT1 Site (DOE FRASE Vocabulary)
 BT2 Sites/Areas
 RT Fire Alarm System
 RT Fire Suppression System
 SO DOE FRASE VOCABULARY

FIRE HAZARD ANALYSIS REPORT

DA January 8, 1991
 SF FHAR
 BT1 Reports
 RT Analyses

FIRE HAZARDS

(CERCLA)
 DA October 12, 1990
 BT1 Hazard Categories
 BT1 Hazards
 BT2 Conditions
 RT Pyrophoric Materials
 DEF (CFR) Including flammables, combustible liquids, pyrophorics, and oxidizers (as defined by 29 CFR 1910.1200). (See 40 CFR 370.2).

FIRE PROTECTION

(Doe Order 5480.7)
 DA October 12, 1990
 RT DOE Fire Protection Authorities

RT Halons
 SO Fires
 DEF (DOE Order 5480.7) Protection from a broad range of fire risks normally included in the analysis conducted by fire protection engineers. These include some aspects of related perils such as explosion, windstorm, earthquake, lightning, and water damage. Fire prevention programs are a necessary part of fire protection programs.

FIRE PROTECTION SYSTEMS

(Doe Order 5480.7)
 DA October 12, 1990
 BT1 Emergency Systems
 BT2 Systems
 NT1 Dedicated Fire Water Systems
 NT2 Sprinkler System
 NT1 Fire Alarm System
 NT1 Fire Suppression System
 RT Design Basis Fires
 RT Fires
 RT Response Time
 SO Fires
 DEF (DOE Order 5480.7) Systems designed to control or extinguish fires or to limit the extent of fire damage. These include: (1) Automatic suppression systems such as sprinklers, Halon, or carbon dioxide systems. (2) Watchmen or automatic detection systems, water supplies, plus a fire department. (3) Walls and doors. (4) Building separation with credit for water supplies plus a fire department.

FIRE PROTECTION TRACKING SYSTEM

DA January 8, 1991
 SF FPTS
 BT1 Information Systems
 BT2 Security Interests
 BT2 Systems

FIRE STATION

(1779 FIRE STATION)
 DA December 10, 1990
 BT1 Building (DOE FRASE Vocabulary)
 BT2 Facilities and Buildings (DOE FRASE Vocabulary)
 BT3 Facilities
 BT1 Station
 BT2 Site (DOE FRASE Vocabulary)
 BT3 Sites/Areas
 RT Fire Alarm System
 RT Firefighter
 SO DOE FRASE VOCABULARY

FIRE SUPPRESSION SYSTEM

(2058 FS SYSTEM)
 DA December 10, 1990
 BT1 Fire Protection Systems
 BT2 Emergency Systems
 BT3 Systems

BT1 Systems (DOE FRASE Vocabulary)
 BT2 Systems
 RT Fire Escape
 RT Fire Alarm System
 RT Foam System
 RT Sprinkler System
 SO DOE FRASE VOCABULARY

FIREARMS

(Doe Order 5480.16)
 DA October 12, 1990
 NT1 Authorized Weapons
 NT1 Defective Firearm
 NT1 Grenade Launchers
 NT1 Light Antitank Weapon
 NT1 Shadow Force Weapons
 NT1 Small Arms
 NT2 Handguns
 NT3 Pistols
 NT4 Double Action Semiautomatic Pistols
 NT4 Machine Pistols
 NT4 Single Action Semiautomatic Pistols
 NT3 Revolvers
 NT2 Machine Guns
 NT3 Submachine Guns, Closed Bolt
 NT3 Submachine Guns, Open Bolt
 NT2 Rifles
 NT3 Automatic Rifles
 NT2 Semiautomatic Firearms
 NT3 Double Action Semiautomatic Pistols
 NT3 Shotgun, Semiautomatic
 NT3 Single Action Semiautomatic Pistols
 NT2 Shotgun, Pump
 RT Armors
 RT Blank Ammunition
 RT Blank Fire Adapter (BFA)
 RT Central Training Academy
 RT Dry Firing
 RT Firearms Ranges
 RT Live Round Excluders
 RT Misfires
 RT Munitions
 RT Special Weapons
 RT Tagging
 RT Unauthorized Discharges
 RT Weapon Simulators
 DEF (DOE Order 5480.16) Include all weapons capable of propelling a missile by means of an explosive charge, as well as all explosive ordnance, ESS equipment, chemical weapons, and pyrotechnic devices.

FIREARMS RANGES

(Doe Order 5480.16)
 DA October 12, 1990
 SY Ranges (Firearms)
 BT1 Sites/Areas
 RT Central Training Academy
 RT Dry Firing
 RT Firearms
 RT Range Masters
 RT Range Safety Officers
 RT Unauthorized Discharges

SO Firearms
 DEF (DOE Order 5480.16) Areas designated for firearms training; they do not include training areas where blank ammunition or ESS weapons are used exclusively.

FIREFIGHTER

(0512 FIREFIGHTER)
 DA November 28, 1990
 BT1 Admin. Support/Clerical Employee
 BT2 Occupations
 BT2 Personnel
 RT Fire Station
 RT Fire Alarm System
 SO DOE FRASE VOCABULARY

FIRES

DA October 19, 1990
 BT1 Natural Disasters
 BT2 Natural Phenomenon
 RT Accidents
 RT Anticipated Operational Occurrences
 RT Combustion
 RT Deflagration
 RT Design Basis Fires
 RT Fire Protection Systems

FIRING RANGE

(1608 FIRING RANGE)
 DA December 10, 1990
 BT1 Site (DOE FRASE Vocabulary)
 BT2 Sites/Areas
 SO DOE FRASE VOCABULARY

FIRST AID

(SSDC)
 DA October 12, 1990
 RT Medical Treatment
 SO System Safety Development Center Glossary
 DEF (SSDC) One-time treatment and subsequent observation of minor scratches, cuts, burns, splinters, and so forth, which do not ordinarily require professional medical care even though it may be provided by a physician or registered professional personnel.

FIRST ATTEMPT AT REPAIR

(CAA; CFR; ESH)
 DA October 12, 1990
 SO Air Pollution
 DEF (CFR) To take rapid action for the purpose of stopping or reducing leakage of organic material to atmosphere using best practices.

FIRST DRAW

(EPA)
 DA October 12, 1990
 RT Public Water Systems
 SO Environmental Protection Agency Glossary
 DEF (EPA) The water that immediately comes out when a tap is first opened. This water is likely to

have the highest level of lead contamination from plumbing materials.

FIRST FEDERAL OFFICIALS

(CERCLA; CFR; EMER)

DA October 12, 1990

BT1 Personnel

RT National Response Teams

SO Compensation and Liability

SO Emergency Preparedness

SO Environmental Management

DEF (CFR) The first Federal

representatives of a participating agency of the National Response Team to arrive at the scene of a discharge or a release. These officials coordinate activities under this Plan and may initiate, in consultation with the OSC, any necessary actions until the arrival of the predesignated OSC. A State with primary jurisdiction over a site covered by a cooperative agreement will act in the stead of the First Federal official for any incident at the site.

FIRST LINE SUPERVISION

(MORT)

DA April 3, 1991

RT Controls

RT Higher Supervision

RT Inspections

RT Maintenance

RT Operability

RT Technical Information

RT Training

DEF (MORT) MORT analysis asks: was worksite supervision adequate? were the necessary supportive services adequate? Related issues/topics include: supervisory training; time; performance errors; task assignments; task briefings; task procedures; safety analysis; and worker problems (e.g. aberrant behavior, selection, training, motivation).

FISCAL YEAR

DA January 8, 1991

SF FY

BT1 Time Designations

RT Maintenance Backlog

SO Management

FISH

(ESA)

DA October 19, 1990

BT1 Animals

NT1 Anadromous Fish

NT1 Catadromous Fish

NT1 Game Fish

NT1 Rough Fish

RT Artificial Reefs

RT Zooplankton

SO Endangered Species

DEF (WEBSTER) Any of numerous

cold-blooded strictly aquatic craniate vertebrates that have typically an elongated somewhat spindle-shaped body terminating in a broad caudal fin, limbs in the form of fins when present at all, and a 2-chambered heart by which blood is sent through thoracic gills to be oxygenated.

FISSILE

(IAEA; EMER)

DA October 12, 1990

RT Nuclides

SO Emergency Preparedness

SO Radiation

DEF (IAEA) Of a nuclide, capable of undergoing fission as a result of interaction with slow neutrons.

FISSILE CLASS I

(DOE Order 5480.3; ESH)

DA October 12, 1990

BT1 Fissile Classification

SO Hazardous Materials

DEF (DOE Order 5480.3) Packages that may be transported in unlimited numbers and in any arrangement and that require no nuclear criticality safety controls during transportation. For purposes of nuclear criticality safety control, a transport index is not assigned to Fissile Class I packages. However, the external radiation levels may require a transport index number.

FISSILE CLASS II

(ESH)

DA October 12, 1990

BT1 Fissile Classification

SO Hazardous Materials

DEF (DOE Order 5480.3) Packages that may be transported in any arrangement but in numbers that do not exceed a transport index of 50. For purposes of nuclear criticality safety control, individual packages may have a transport index of not less than 0.1 and not more than 10. However, the external radiation levels may require a higher transport index number but not to exceed 10. Such shipments require no nuclear criticality safety control by the shipper during transportation.

FISSILE CLASS III

(ESH)

DA October 12, 1990

BT1 Fissile Classification

SO Hazardous Materials

DEF (DOE Order 5480.3) Shipments of packages that do not meet the requirements of Fissile Class I and II and that are controlled in transportation by special arrangements between the shipper

and the carrier to provide nuclear criticality safety.

FISSILE CLASSIFICATION

(DOE Order 5480.3; ESH)

DA October 12, 1990

NT1 Fissile Class I

NT1 Fissile Class II

NT1 Fissile Class III

RT Fissile Materials

SO Environmental Management

SO Hazardous Materials

DEF (DOE Order 5480.3) Classification of a package or shipment of fissile materials according to the controls needed to provide nuclear criticality safety during transportation.

FISSILE MATERIALS

(DOE Order 6430.1A; CFR)

DA October 12, 1990

SY Fissionable Materials

BT1 Hazardous Materials

BT2 Materials

RT Fissile Classification

SO Construction

SO Environmental Management

SO Hazardous Materials

DEF (ESH) The term "fissile" means easily undergoing nuclear fission (the splitting apart of the nuclei of atoms). Fissile materials consist of or contain one or more fissile radionuclides. Fissile radionuclides are plutonium-238, plutonium-239, plutonium-241, uranium-233, uranium-235, neptunium-237, and curium-244. Fissile materials are classified according to the controls needed to provide nuclear criticality safety during transportation. (DOE Order 6430.1A) Nuclides capable of undergoing fission by interaction with slow neutrons provided the effective thermal neutron production cross section, $\overline{\nu\sigma_f}$, exceed the effective thermal neutron absorption cross section, $\overline{\sigma_a}$.

FISSION PRODUCTS

(IAEA; EMER)

DA October 12, 1990

SF FP

BT1 Nuclides

RT Radioactive Source Terms

RT Reprocessing

SO Emergency Preparedness

SO Radiation

DEF (IAEA) Nuclides produced either by fission or by the radioactive decay of nuclides formed by fission.

FISSIONABLE MATERIALS

(Doe Order 5480.5)

DA October 12, 1990

SY Fissile Materials

BT1 Materials
 SO Environmental Management
 SO Standards
 DEF (DOE Order 5480.5) Nuclides capable of sustaining a neutron induced fission chain reaction (e.g., uranium-233, uranium-235, plutonium-239, plutonium-238, plutonium-241, neptunium-237, americium-241, and curium-244).

FISSIONABLE MATERIALS HANDLERS

(Doe Order 5480.5)
 DA October 12, 1990
 SO Environmental Management
 SO Standards
 DEF (DOE Order 5480.5) Individuals officially designated by management to manipulate or handle significant quantities of fissionable materials, or manipulate the controls of equipment used to produce, process, transfer, store, or package significant quantities of such materials.

FIXED CAPITAL COSTS

(CAA; CFR)
 DA October 12, 1990
 BT1 Costs
 RT Capital Expenditure
 SO Air Pollution
 DEF (CFR) The capital needed to provide all of the depreciable components.

FIXED NUCLEAR FACILITIES

(EMER)
 DA February 1, 1991
 BT1 Nuclear Facilities
 BT2 Facilities
 SO Emergency Preparedness
 DEF (EMER) Stationary nuclear installations that use or produce radioactive materials in their normal operations. These facilities include commercial nuclear power plants and other fixed facilities.

FIXED SOURCES

DA January 24, 1991
 SY Stationary Sources
 BT1 Facilities
 SO Environmental Management
 DEF (CFR) "Fixed source" means, for the purpose of these guidelines, a stationary facility that converts fossil fuel into energy, such as steam, hot water, electricity, etc.

FLAME RETARDANT CLOTHING

(2661 FLAME RETARD)
 DA January 3, 1991
 BT1 Clothing
 BT1 Personal Protective Equipment
 BT2 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)

BT3 Equipment
 SO DOE FRASE VOCABULARY

FLAMMABLE COMPRESSED GASES

(CFR)
 DA October 12, 1990
 BT1 Compressed Gases
 BT2 Gases
 RT Hazards
 SO Hazardous Materials
 DEF (CFR) There are a number of technical specifications for identifying flammable compressed gases. Generally, any flammable material having in the container a pressure which exceeds 40 psi at 100°F, is considered a flammable compressed gas. Acetylene, cyclopropane, and liquefied and non-liquefied hydrocarbon gas are examples of flammable compressed gases.

FLAMMABLE LIQUIDS

(CFR)
 DA October 12, 1990
 BT1 Liquids
 BT2 Fluids
 RT Combustible Liquids
 RT Flash Point
 RT Hazards
 RT Pyrophoric Liquids
 SO Hazardous Materials
 DEF (CFR) According to the hazardous materials regulations, flammable liquids are liquids having the flash point below 100°F, except those liquids which meet the definition of a compressed gas, or a mixture having one or more components with a flash point of 100°F or higher that makes up at least 99% of the total volume of the mixture. Liquid paint driers, petroleum distillates, pine oils, and liquid furniture polishes are examples of flammable liquids.

FLAMMABLE SOLIDS

(CFR)
 DA October 12, 1990
 BT1 Solids
 BT2 Materials
 RT Flash Point
 RT Hazards
 RT Water Reactive Materials
 SO Hazardous Materials
 DEF (CFR) Flammable solids are defined in the regulations as any solid material, other than an explosive, which under conditions incident to transportation is liable to cause fires through friction, retained heat from manufacturing or processing, or which can be ignited readily, and when ignited, such material burns so vigorously and persistently as to create a serious transportation hazard. Included within this class are

spontaneously combustible and water reactive materials. Wet hafnium metal, burnt fibers, and garbage tankage (containing less than 8% water) are examples of flammable solids.

FLARES

(Doe Order 5480.16)
 DA October 12, 1990
 BT1 Devices
 SO Firearms
 DEF (DOE Order 5480.16) Mechanical devices that use pyrotechnic materials to produce light for signaling, illuminating, or attracting attention.

FLASH BURN(S)

(1321 FLASH BURN)
 DA November 28, 1990
 BT1 Burn(s)
 BT2 Injuries
 SO DOE FRASE VOCABULARY

FLASH GRENADES

(Doe Order 5480.16)
 DA October 12, 1990
 BT1 Diversionary Devices
 RT Grenade Launchers
 SO Firearms
 DEF (DOE Order 5480.16) Devices that produce a brilliant flash (of about 2 million candle power) and a loud report (200 decibels at a distance of about 5 feet (1 1/2 meters)) without producing lethal fragmentation.

FLASH POINT

(SWDA; RCRA; ESH)
 DA October 12, 1990
 BT1 Measurements
 RT Combustible Liquids
 RT Flammable Liquids
 RT Flammable Solids
 SO Hazardous Materials
 DEF The minimum temperature at which a substance gives off flammable vapor which will ignite if in contact with spark or flame.

FLEXIBLE ELEMENTS

(SEA)
 DA October 12, 1990
 RT Structural Members
 SO Construction
 DEF (SEA) Flexible elements or systems are those whose deformation under lateral load is significantly larger than adjoining parts of the system.

FLEXURAL STRENGTH

(DOE Order 6430.1A)
 DA October 12, 1990
 BT1 Strength
 SO Construction
 DEF (DOE Order 6430.1A) The strength

of a material in bending, that is, resistance to fracture.

FLIGHT CREWMEMBERS

(DOE Order 5480.13)

DA October 12, 1990

BT1 Personnel

RT Aviation Operations

SO Aviation Safety

DEF (DOE Order 5480.13) Persons assigned to perform flight duties or DOE mission duties in an aircraft during flight time.

FLOCCULATION

(SDWA; CFR)

DA October 12, 1990

BT1 Wastewater Treatment Processes

BT2 Treatment

BT3 Waste Management Processes

BT4 Processes

RT Agglomeration

RT Coagulation

RT Conventional Filtration Treatment

RT Filtration

RT Flocs

RT Precipitates

RT Sedimentation

SO Environmental Protection Agency Glossary

SO Water Pollution

DEF (EPA) The process by which clumps of solids in water or sewage are made to increase in size by biological or chemical action so that they can be separated from the water. (CFR) A process to enhance agglomeration or collection of smaller floc particles into larger, more easily settleable particles through gentle stirring by hydraulic or mechanical means.

FLOCHK

(Acronyms and Abbreviations)

DA October 12, 1990

BT1 Computer Codes

SO Nuclear Facilities Incident Database

DEF (NFI) Computer code on the Control Computer that checks for fuel element failure

FLOCS

(EPA)

DA October 12, 1990

RT Flocculation

SO Environmental Protection Agency Glossary

DEF (EPA) Clumps of solids formed in sewage by biological or chemical action.

FLOODPLAINS

(CFR)

DA May 15, 1991

BT1 Sites/Areas

BT1 Surface Water Resources

BT2 Natural Resources

RT Notice of Involvement

SO Environmental Management

DEF (CFR) Lowlands adjoining inland and coastal waters and relatively flat areas and flood-prone areas of offshore islands including, at a minimum, that area inundated by a 1 percent or greater chance flood in any given year. The base floodplain is defined as the 100-year (1.0 percent) floodplain. The critical action floodplain is defined as the 500-year (.02 percent) floodplain.

FLOOR OPENING

(1698 FLOOR OPENING)

DA December 10, 1990

BT1 Site (DOE FRASE Vocabulary)

BT2 Sites/Areas

SO DOE FRASE VOCABULARY

FLOOR SWEEPS

(EPA)

DA October 12, 1990

BT1 Vapor Capture Systems

BT2 Control Devices

BT3 Devices

BT2 Systems

SO Environmental Protection Agency Glossary

DEF (EPA) Vapor collectors designed to capture vapors which are heavier than air and which collect along the floor.

FLOW CHARTS

(SSDC)

DA October 12, 1990

BT1 Diagrams

SO System Safety Development Center Glossary

DEF (SSDC) Schematic diagrams or expository outlines showing the succession of operations in an activity or system.

FLOW FAILURES

(USGS)

DA October 12, 1990

BT1 Failures

BT2 Accidents

BT1 Ground Failures

BT2 Failures

BT3 Accidents

BT2 Liquefaction

BT3 Processes

RT Soil Mechanics

RT Soils

SO Natural Phenomenon

DEF (USGS) Consist of liquefied soil or blocks of intact material riding on a layer of liquefied soil. Flow failures can form in loose saturated sands or soil on slopes greater than 3 degrees. These flows typically move several tens of feet and if conditions permit, can travel tens

of miles at velocities as great as many tens of miles per hour.

FLOW METER(S)

(2752 FLOW METER)

DA January 3, 1991

BT1 Indicator(s)

BT2 Instrument(s)

BT3 Equipment/Parts - Instrumentation/Measuring (DOE FRASE Voc.)

BT4 Equipment

SO DOE FRASE VOCABULARY

FLOW MONITOR

DA January 8, 1991

SF DFM

BT1 Monitors

BT2 Equipment

FLOW RATES

(SDWA; CFR)

DA October 12, 1990

NT1 Million Gallons Per Day

RT Fluids

RT Subcritical Flows

RT Supercritical Flows

SO Water Pollution

DEF (CFR) The volume per time unit given to the flow of gases or other fluid substances which emerge from an orifice, pump, turbine or passes along a conduit or channel.

FLOW SAND FILTRATION

(EPA)

DA October 12, 1990

BT1 Filtration

BT2 Pollution Recovery Processes

BT3 Processes

SO Environmental Protection Agency Glossary

FLOW-THROUGH PROCESS TANKS

(SWDA; RCRA; CFR)

DA October 12, 1990

BT1 Tanks

BT2 Facility Components

SO Wastes

DEF (CFR) Tanks that form an integral part of a production process through which there is a steady, variable, recurring, or intermittent flow of materials during the operation of the process. Flow-through process tanks do not include tanks used for the storage of materials prior to their introduction into the production process or for the storage of finished products or by-products from the production process.

FLOW WEIGHTED AVERAGE (DELTA T)

DA January 8, 1991

SF FWA

BT1 Measurements

FLOW ZONE

DA January 8, 1991
 SF FZ
 BT1 Zones
 BT2 Sites/Areas

FLUE GAS DESULFURIZATION

(EPA)
 DA October 12, 1990
 RT Desulfurization
 RT Flue Gases
 RT Scrubbers
 SO Environmental Protection Agency Glossary
 DEF (EPA) A technology which uses a sorbent, usually lime or limestone, to remove sulfur dioxide from the gases produced by burning fossil fuels. Flue gas desulfurization is current the state-of-the art technology in use by major SO₂ emitters, e.g., power plants.

FLUE GASES

(EPA)
 DA October 12, 1990
 SY Stack Gases
 BT1 Air Pollutants
 BT1 Gases
 NT1 Condenser Stack Gases
 RT Acid Deposition
 RT Combustion Products
 RT Flue Gas Desulfurization
 RT Stacks
 RT Vapor Plumes
 SO Environmental Protection Agency Glossary
 DEF (EPA) The gases coming out of a chimney after combustion in the burner it is venting. They can include nitrogen oxides, carbon oxides, water vapor, sulfur oxides, particles and many chemical pollutants.

FLUIDS

(SWDA; CFR)
 DA October 12, 1990
 NT1 Formation Fluid
 NT1 Liquids
 NT2 Combustible Liquids
 NT2 Cryogenic Liquids
 NT2 Flammable Liquids
 NT2 Free Liquids
 NT2 Free Products
 NT2 Influent
 NT2 Natural Gas Liquids
 NT2 Pyrophoric Liquids
 NT2 Viscous Liquids
 NT1 Raffinate
 RT Flow Rates
 SO Water Pollution
 DEF (CFR) Materials or substances which flow or move whether in a semisolid, liquid, gas, or any other form or state.

FLUMES

(EPA)

DA October 12, 1990
 RT Earth-Lined Channels
 SO Environmental Protection Agency Glossary
 DEF (EPA) Natural or man-made channels that divert water.

FLUORESCENT LIGHT BALLASTS

(TSCA; CFR)
 DA October 19, 1990
 RT PCB Equipment
 SO Hazardous Materials
 DEF (CFR) Devices that electrically control fluorescent light fixtures and that include a capacitor containing 0.1 kg or less of dielectric.

FLUORIDES

(EPA)
 DA October 12, 1990
 RT Fluorosis
 SO Environmental Protection Agency Glossary
 DEF (EPA) Gaseous, solid, or dissolved compounds containing fluorine that result from industrial processes. Excessive amounts in food can lead to fluorosis.

FLUORINE

DA January 8, 1991
 SF F₂

FLUOROCARBONS

(EPA)
 DA October 12, 1990
 SF FCs
 BT1 Halogenated Organic Compounds
 BT2 Halogenated
 BT2 Organic Chemicals
 BT3 Chemical Substances
 NT1 Chlorofluorocarbons (CFCs)
 SO Environmental Protection Agency Glossary
 DEF (EPA) Any of a number of organic compounds analogous to hydrocarbons in which one or more hydrogen atoms are replaced by fluorine. Once used in the United States as a propellant in aerosols, they are now primarily used in coolants and some industrial processes. FCs containing chlorine are called chlorofluorocarbons (CFCs). They are believed to be modifying the ozone layer in the stratosphere, thereby allowing more harmful solar radiation to reach the Earth's surface.

FLUOROSIS

(EPA)
 DA October 12, 1990
 BT1 Illnesses
 RT Fluorides

SO Environmental Protection Agency Glossary

DEF (EPA) An abnormal condition caused by excessive intake of fluorine, characterized chiefly by mottling of the teeth.

FLUSH

(EPA's Information Resources Directory: Environmental Glossary)
 DA October 12, 1990
 SO Environmental Protection Agency Glossary
 DEF (EPA) (1) To open a cold-water tap to clear out all the water which may have been sitting for a long time in the pipes. In new homes, to flush a system means to send large volumes of water gushing through the unused pipes to remove loose particles of solder and flux. (2) To force large amounts of water through liquid to clean out piping or tubing, storage or process tanks.

FLUX CHANNEL(S)

(2561 FLUX CHANNEL)
 DA January 3, 1991
 BT1 Equipment/Parts - Nuclear (DOE FRASE Vocabulary)
 BT2 Equipment
 BT2 Reactor Components
 SO DOE FRASE VOCABULARY

FLY ASH

(SWDA; RCRA; ESH)
 DA October 12, 1990
 BT1 Air Pollutants
 BT1 Ashes
 BT2 Wastes
 RT Baffle Chambers
 RT Dust
 RT Particulates
 RT Soot
 SO Environmental Management
 SO Environmental Protection Agency Glossary
 SO Wastes
 DEF (EPA) Non-combustible residual particles from the combustion process, carried by flue gas. (ESH) Suspended particles, charred paper, dust, soot, and other partially oxidized matter carried in the products of combustion.

FM

DA October 12, 1990
 SEE Factory Mutual
 SO Acronyms

FMEA

DA October 12, 1990
 SEE Failure Mode and Effect Analysis
 SO Acronyms

FMPC

DA October 12, 1990
 SEE Feed Materials Production Center
 SO Acronyms

FNSI

DA October 12, 1990
 SEE Finding of No Significant Impact
 SO Acronyms

FOAM SYSTEM

(2034 FOAM SYSTEM)
 DA December 10, 1990
 BT1 Systems (DOE FRASE Vocabulary)
 BT2 Systems
 RT Fire Suppression System
 SO DOE FRASE VOCABULARY

FOGGING

(EPA)
 DA October 12, 1990
 BT1 Processes
 RT Pesticides
 SO Environmental Protection Agency Glossary
 DEF (EPA) Applying a pesticide by rapidly heating the liquid chemical so that it forms very fine droplets that resemble smoke or fog. It may be used to destroy mosquitoes, black flies, and similar pests.

FONSI

DA May 14, 1991
 SEE Finding of No Significant Impact
 SO Acronyms

FOOD-CHAIN CROPS

(SWDA; RCRA)
 DA October 12, 1990
 RT Food Chains
 SO Wastes
 DEF Tobacco, crops grown for human consumption, and crops grown for feed for animals whose products are consumed by humans.

FOOD CHAINS

(EPA)
 DA October 12, 1990
 RT Common Exposure Routes
 RT Exposure Pathways
 RT Food-chain Crops
 RT Posing an Exposure Risk to Food or Feed
 SO Environmental Protection Agency Glossary
 DEF (EPA) Sequences of organisms, each of which uses the next, lower member of the sequence as a food source.

FOOD SERVICE ACTIVITY

(1232 FS ACTIVITY)
 DA November 28, 1990
 BT1 Activity Types (DOE FRASE Vocabulary)
 BT2 Activities

RT Eating Area

SO DOE FRASE VOCABULARY

FOOD SERVICE EMPLOYEE

(0521 FOOD SERVICE)
 DA November 28, 1990
 BT1 Admin. Support/Clerical Employee
 BT2 Occupations
 BT2 Personnel
 RT Kitchen
 SO DOE FRASE VOCABULARY

FOOT PROTECTION

(2662 FOOT PROTECT)
 DA January 3, 1991
 BT1 Personal Protective Equipment
 BT2 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)
 BT3 Equipment
 NT1 Ankle Protection
 NT1 Metatarsal Protection
 NT1 Safety Boots
 NT1 Safety Shoe(s)
 NT1 Shoe Cover(s)
 NT2 Metal Shoe Cover
 RT Foot/Feet
 RT Heel(s)
 RT Sole(s)
 RT Toe(s)
 SO DOE FRASE VOCABULARY

FOOT/FEET

(1127 FOOTP)
 DA November 28, 1990
 BT1 Human Body Parts
 NT1 Heel(s)
 NT1 Sole(s)
 NT1 Toe(s)
 RT Ankle(s)
 RT Foot Protection
 RT Leg(s)
 RT Safety Boots
 SO DOE FRASE VOCABULARY

FORCE MAINS

(DOE Order 6430.1A)
 DA October 12, 1990
 RT Storm Water Collection Systems
 SO Construction
 DEF (DOE Order 6430.1A) Discharge lines from a sewage or stormwater lift station.

FORCE-ON-FORCE EXERCISES

(Doe Order 5480.16)
 DA October 12, 1990
 BT1 Exercises
 RT Full-Scale Exercises
 SO Firearms
 DEF (DOE Order 5480.16) Simulates the actual intrusion of an enemy force and the appropriate response to such an intrusion. This may include limited scope performance tests and similar exercises.

FOREARM(S)

(1098 FOREARM)

DA November 28, 1990

BT1 Arm(s)

BT2 Human Body Parts

RT Forearm Protection

SO DOE FRASE VOCABULARY

FOREARM PROTECTION

(2663 FOREARM PROT)
 DA January 3, 1991
 RT Arm(s)
 RT Elbow(s)
 RT Forearm(s)
 SO DOE FRASE VOCABULARY

FOREHEAD

(1080 FOREHEAD)
 DA November 28, 1990
 BT1 Head
 BT2 Human Body Parts
 RT Faceshield
 RT Head Protection
 SO DOE FRASE VOCABULARY

FOREIGN COMMERCE

(ESA; CFR)
 DA October 12, 1990
 RT Commercial Activities
 SO Endangered Species
 DEF (CFR) Includes, among other things, any transaction (A) between persons within one foreign country; (B) between persons in two or more foreign countries; (C) between a person within the United States and a person in a foreign country; or (D) between persons within the United States, where the fish and wildlife in question are moving in any country or countries outside the United States.

FOREST WORKER

(0570 FOREST WORKE)
 DA November 28, 1990
 BT1 Agriculture Personnel
 BT2 Occupations
 BT2 Personnel
 SO DOE FRASE VOCABULARY

FORESTS (REACTOR)

(NFI)
 DA October 12, 1990
 BT1 Reactor Components
 SO Nuclear Facilities Incident Database
 SO Radiation
 DEF (NFI) Equipment located near top of reactor that checks for fuel element failure.

FORKLIFT(S)

(2321 FORKLIFT)
 DA December 10, 1990
 BT1 Hoisting Apparatus
 BT2 Material Handling Device
 BT3 Devices
 BT3 Equipment/Parts - Material Handling (DOE FRASE Vocabulary)

BT4 Equipment
SO DOE FRASE VOCABULARY

FORMAL CONSULTATION

(ESA; CFR)
DA October 12, 1990
BT1 Administrative Processes
BT2 Processes
RT Biological Opinion
RT Informal Consultation
RT Reasonable and Prudent Alternatives
SO Endangered Species
DEF (CFR) A process between the U.S. Fish and Wildlife Service and the Federal agency that commences with the Federal agency's written request for consultation under section 7(a)(2) of the Endangered Species Act and concludes with the Service's issuance of the biological opinion under section 7(b)(3) of the Act.

FORMALDEHYDE

(EPA)
DA October 12, 1990
BT1 CERCLA Hazardous Substances
BT2 Hazardous Substances
BT1 Hazardous Constituents
BT1 Organic Chemicals
BT2 Chemical Substances
SO Environmental Protection Agency Glossary
DEF (EPA) A colorless, pungent, irritating gas, CH₂O, used chiefly as a disinfectant and preservative and in synthesizing other compounds and resins.

FORMATION FLUID

(SDWA; CFR)
DA October 12, 1990
BT1 Fluids
SO Water Pollution
DEF (CFR) Fluid present in a formation under natural conditions, as opposed to introduced fluids, such as drilling mud.

FORMATIONS

(SDWA; CFR)
DA October 12, 1990
NT1 Aquifers
NT2 Confined Aquifers
NT2 Exempted Aquifers
NT2 Principal Source Aquifers
NT2 Semi-Confined Aquifers
NT2 Significant Source of Groundwater
NT2 Sole Source Aquifer
NT2 Underground Sources of Drinking Water
NT2 Uppermost Aquifers
NT1 Confining Zones
NT1 Injection Zones
NT2 Injection Interval
RT Lithology
RT Strata
RT Subsidence

SO Water Pollution
DEF Bodies of rock characterized by a degree of lithologic homogeneity which is prevailing, but not necessarily, tabular and is mappable on the earth's surface or traceable in the subsurface.

FORMERLY UTILIZED SITES

REMEDIAL ACTIONS PROGRAM

DA January 8, 1991
SF FUSRAP
BT1 Remedial Action Program
BT2 Programs

FORMULA QUANTITIES

DA January 24, 1991
BT1 Quantities
RT Special Nuclear Materials
SO Environmental Management
DEF (CFR) Strategic special nuclear material in any combination in a quantity of 5000 grams or more computed by the formula, grams = (grams contained U235) + 2.5 (grams U235 + grams plutonium).

FORMULATION

(EPA)
DA October 12, 1990
NT1 Manufacturers Formulation
SO Environmental Protection Agency Glossary
DEF (EPA) The substance or mixture of substances which is comprised of all active and inert ingredients in a pesticide.

FOSSIL FUEL AND WOOD

RESIDUE-FIRED STEAM GENERATING UNIT

(CAA; CFR)
DA October 12, 1990
BT1 Steam Generator
BT2 Equipment
RT Fossil Fuels
RT Wood Residues
SO Air Pollution
DEF (CFR) A furnace or boiler used in the process of burning fossil fuel and wood residue for the purpose of producing steam by heat transfer.

FOSSIL FUELS

(CAA; CFR)
DA October 12, 1990
BT1 Fuels
BT1 Geologic Resources
BT2 Natural Resources
NT1 Coal
NT2 Ultra Clean Coal
NT1 Natural Gas
NT2 Field Gases
NT2 Natural Gas Liquids
NT1 Petroleum
RT Acid Deposition
RT Fossil Fuel and Wood

Residue-Fired Steam Generating Unit
SO Air Pollution
DEF (CFR) Natural gas, petroleum, coal, and any form of solid, liquid, or gaseous fuel derived from such materials for the purpose of creating useful heat.

FOUNDATIONS

DA February 1, 1991
BT1 Research and Development Organizations
BT2 Organizations
NT1 Hanford Environmental Health Foundation
NT1 Lovelace Medical Foundation
NT1 University of Georgia Research Foundation, Inc.
DEF (WEBSTER) An organization or institution established by endowment with provision for future maintenance.

FOUNDRIES

(CAA; CFR)
DA October 12, 1990
BT1 Facilities
RT Beryllium Alloys
SO Air Pollution
DEF (CFR) Facilities engaged in the melting or casting of beryllium metal or alloy.

FP

DA October 12, 1990
SEE Fission Products
SO Acronyms

FPTS

DA October 12, 1990
SEE Fire Protection Tracking System
SO Acronyms

FRACAS

DA October 12, 1990
SEE Failure Reporting Analysis and Corrective Action System
SO Acronyms

FRACTURE

(1322 FR)
DA November 28, 1990
BT1 Injuries
RT Bone(s)
SO DOE FRASE VOCABULARY

FRANTIC

(Acronyms and Abbreviations)
DA October 12, 1990
BT1 Computer Codes
DEF (NFI) A Computer code to analyze time-dependent reliability.

FRASE VOCABULARY

DA February 28, 1991
SY DOE FRASE VOCABULARY

SY Factor Relationship and Sequence of Events Vocabulary
BT1 Vocabulary
RT DOE FRASE Categories
RT Key Word
RT Safety Performance Measurement System
DEF A controlled vocabulary designed for use in searching the narrative description fields of records on the Safety Performance Measurement System (SPMS).

FREE LIQUIDS

(SWDA; RCRA)
DA October 12, 1990
BT1 Liquids
BT2 Fluids
SO Environmental Management
SO Wastes
DEF (CFR) Liquids which readily separate from the solid portion of a waste under ambient temperature and pressure.

FREE PRODUCTS

(SDWA; RCRA)
DA October 12, 1990
BT1 Liquids
BT2 Fluids
RT Regulated Substances
SO Wastes
DEF (CFR) Refers to regulated substances that are present as non-aqueous phase liquids (e.g., liquids not dissolved in water).

FREEBOARD

(SWDA; RCRA)
DA October 12, 1990
RT Hydraulic Structures
SO Construction
SO Environmental Management
SO Wastes
DEF (CFR) The height between the normal water surface elevation and the top of a hydraulic structure.

FREIGHT CONTAINERS

(SWDA; RCRA)
DA October 12, 1990
BT1 Containers
BT1 Unit Load Devices
NT1 Unit Load Devices
RT Bulk Packaging
RT Containerships
RT Rail Freight Cars
SO Hazardous Materials
DEF Reusable containers having a volume of 64 cubic feet or more, designed and constructed to permit being lifted with its contents intact and intended primarily for containment of package during transportation.

FREON-114

DA January 8, 1991
SF $C_2C_{12}F_4$

FREQUENCY DISTRIBUTION

(SSDC)
DA October 12, 1990
BT1 Distribution
NT1 Joint Frequency Distribution
SO System Safety Development Center Glossary
DEF (SSDC) The relative frequency with which a variable quantity or variate assumes particular values.

FREQUENCY/SEVERITY

(SSDC)
DA October 12, 1990
SF F/S
RT Line of Balance
RT Risk Assessment
SO System Safety Development Center Glossary
DEF (SSDC) Risk projection using all experience data from events of trivial consequences to the most serious events experienced by an organization or system under study.

FRESH WATER

(EPA; CFR)
DA October 12, 1990
BT1 Water
RT Limnology
RT Underground Sources of Drinking Water
SO Environmental Protection Agency Glossary
DEF (EPA) Water that generally contains less than 1,000 milligrams-per-liter of dissolved solids.

FRGT

DA October 12, 1990
SEE Fast Response Gamma Thermometer
SO Acronyms

FRIABLE ASBESTOS

(CAA)
DA October 12, 1990
BT1 Asbestos
BT2 Carcinogens
BT3 Hazardous Substances
BT2 CERCLA Hazardous Substances
BT3 Hazardous Substances
RT Asbestos Waste from Control Devices
RT Emergency Projects
RT Friable Asbestos-Containing Materials
RT Strip
SO Air Pollution
DEF (CFR) Asbestos insulation that is loose and capable of becoming airborne.

FRIABLE ASBESTOS-CONTAINING MATERIALS

(TSCA; CFR; USC)
DA October 12, 1990
BT1 Asbestos-containing Materials
BT2 Asbestos Materials
BT3 Materials
RT Friable Asbestos
SO Hazardous Materials
DEF (CFR) Asbestos-containing materials applied on ceilings, walls, structural members, piping, duct work, or any other part of a building which when dry may be crumbled, pulverized, or reduced to powder by hand pressure. Term includes non-friable asbestos-containing materials after such previously non-friable asbestos-containing materials become damaged to the extent that when dry they may be crumbled, pulverized, or reduced to powder by hand pressure.

FRIABLE ASBESTOS MATERIALS

(CFR)
DA November 15, 1990
BT1 Asbestos Materials
BT2 Materials
RT Particulate Asbestos Materials
SO Environmental Management
SO Hazardous Materials
DEF (CFR) Materials containing more than 1 percent asbestos by weight that hand pressure can crumble, pulverize, or reduce to powder when dry.

FRMAC DIRECTOR

(EMER)
DA February 1, 1991
BT1 Personnel
SO Emergency Preparedness
DEF (EMER) The manager of the Federal Radiological Monitoring and Assessment Center (FRMAC). Designated by Department of Energy in an emergency and by Environmental Protection Agency (EPA) in the recovery.

FROSTBITE/OTHER LOW TEMP EFFECTS

(1386 FROSTBITE)
DA November 28, 1990
BT1 Effects
BT1 Illnesses
SO DOE FRASE VOCABULARY

FSAR

DA October 12, 1990
SEE Final Safety Analysis Report
SO Acronyms

FSH

DA October 12, 1990
SEE Fuel Sleeve Housing
SO Acronyms

FTA

DA October 12, 1990
SEE Fault Tree Analysis
SO Acronyms

FUEL CANISTER(S)

(2562 FUEL CANISTER)
DA January 3, 1991
BT1 Fuel Handling Equipment
BT2 Equipment/Parts - Nuclear (DOE
FRASE Vocabulary)
BT3 Equipment
BT3 Reactor Components
RT Fuel Element(s)
SO DOE FRASE VOCABULARY

FUEL DISTRIBUTION ANALYZER

DA January 8, 1991
SF FDA
BT1 Equipment

FUEL DRAWER(S)

(2563 FUEL DRAWER)
DA January 3, 1991
BT1 Fuel Handling Equipment
BT2 Equipment/Parts - Nuclear (DOE
FRASE Vocabulary)
BT3 Equipment
BT3 Reactor Components
SO DOE FRASE VOCABULARY

FUEL ECONOMY STANDARD

(EPA)
DA October 12, 1990
BT1 Standards
BT2 Codes, Standards, and
Regulations
SO Environmental Protection Agency
Glossary
DEF (EPA) The Corporate Average Fuel
Economy Standard (CAFE) which
went into effect in 1978. It was
meant to enhance the national fuel
conservation effort by slowing fuel
consumption through a
miles-per-gallon requirement for
motor vehicles.

FUEL ELEMENT(S)

(2564 FUEL ELEMENT)
DA January 3, 1991
BT1 Equipment/Parts - Nuclear (DOE
FRASE Vocabulary)
BT2 Equipment
BT2 Reactor Components
NT1 Fuel Plate
NT2 Cladding
NT2 Plutonium Fuel Plate(s)
NT1 Fuel Rod(s)
NT1 Piles (Nuclear)
RT Core(s)
RT Fuel Canister(s)
RT Fuel Handling Equipment
RT Reactor Fuel
SO DOE FRASE VOCABULARY
DEF (NRC Glossary of Terms: Nuclear
Power and Radiation) A cluster of
fuel rods (or plates). Also called a
fuel assembly. Many fuel

assemblies make up a reactor
core.

**FUEL ELEMENT FAILURE GAS
CHROMATOGRAPH**

DA January 8, 1991
SF FEEGC

FUEL FABRICATION FACILITY

(1797 FUEL FABRICA)
DA December 10, 1990
BT1 Facility (DOE FRASE Vocabulary)
BT2 Facilities and Buildings (DOE
FRASE Vocabulary)
BT3 Facilities
SO DOE FRASE VOCABULARY

FUEL HANDLING ACTIVITY

(1233 FH ACTIVITY)
DA November 28, 1990
BT1 Activity Types (DOE FRASE
Vocabulary)
BT2 Activities
SO DOE FRASE VOCABULARY

FUEL HANDLING EQUIPMENT

(2565 FH EQUIPMENT)
DA January 3, 1991
BT1 Equipment/Parts - Nuclear (DOE
FRASE Vocabulary)
BT2 Equipment
BT2 Reactor Components
NT1 Fuel Canister(s)
NT1 Fuel Drawer(s)
RT Fuel Element(s)
SO DOE FRASE VOCABULARY

FUEL PLATE

(2566 FUEL PLATE)
DA January 3, 1991
BT1 Fuel Element(s)
BT2 Equipment/Parts - Nuclear (DOE
FRASE Vocabulary)
BT3 Equipment
BT3 Reactor Components
NT1 Cladding
NT1 Plutonium Fuel Plate(s)
SO DOE FRASE VOCABULARY

FUEL ROD(S)

(2567 FUEL ROD)
DA January 3, 1991
BT1 Fuel Element(s)
BT2 Equipment/Parts - Nuclear (DOE
FRASE Vocabulary)
BT3 Equipment
BT3 Reactor Components
SO DOE FRASE VOCABULARY

FUEL SLEEVE HOUSING

DA January 8, 1991
SF FSH

FUEL TANKS

(SWDA; RCRA)
DA October 12, 1990
BT1 Tanks
BT2 Facility Components

SO Hazardous Materials

DEF Tanks other than cargo tanks, used
to transport flammable or
combustible liquid, or compressed
gas for the purpose of supplying
fuel for propulsion of the transport
vehicle to which it is attached, or
for the operation of other
equipment on the transport
vehicle.

FUEL TOOL(S)

(2568 FUEL TOOL)
DA January 3, 1991
BT1 Equipment/Parts - Nuclear (DOE
FRASE Vocabulary)
BT2 Equipment
BT2 Reactor Components
SO DOE FRASE VOCABULARY

FUELS

DA February 25, 1991
NT1 Fossil Fuels
NT2 Coal
NT3 Ultra Clean Coal
NT2 Natural Gas
NT3 Field Gases
NT3 Natural Gas Liquids
NT2 Petroleum
NT1 Motor Fuels
NT1 Propellants
NT2 Beryllium Propellants
NT1 Reactor Fuel
NT1 Solid-Waste-Derived Fuel
NT1 Spent Fuel

FUGITIVE EMISSIONS

(CAA; EPA)
DA October 12, 1990
BT1 Emissions
BT2 Air Pollutants
NT1 Uncontrolled Total Arsenic
Emissions
RT Particulate Matter Emissions
RT Secondary Emissions
SO Air Pollution
SO Environmental Management
SO Environmental Protection Agency
Glossary
DEF (EPA) Emissions not caught by a
capture system.

FULL-SCALE EXERCISES

(EMER)
DA February 1, 1991
BT1 Exercises
RT Federal Field Exercises
RT Force-on-Force Exercises
SO Emergency Preparedness
DEF (EMER) Exercises designed
primarily for the purpose of
validating the integrated
emergency preparedness
capability of a facility and state
and local jurisdictions in an
operational environment.

FULL-TIME EMPLOYEES

(CERCLA; CFR)

DA October 12, 1990
 BT1 Personnel
 RT Contractor Employees
 SO Compensation and Liability
 DEF (CFR) 2,000 hours per year of full-time equivalent employment. A facility would calculate the number of full-time employees by totaling the hours worked during the calendar year by all employees, including contract employees, and dividing that total by 2,000 hours.

FUMES

(EPA)
 DA October 12, 1990
 BT1 Emissions
 BT2 Air Pollutants
 RT Irritating Materials
 SO Environmental Protection Agency Glossary
 DEF (EPA) Tiny particles trapped in vapor in a gas stream.

FUMIGANTS

(EPA)
 DA October 12, 1990
 BT1 Pesticides
 BT2 Hazardous Substances
 RT Ethylene Dibromide
 SO Environmental Protection Agency Glossary
 DEF (EPA) Pesticides that are vaporized to kill pests. Used in buildings and greenhouses.

FUNCTIONAL APPRAISALS

(DOE Order 5482.1B; ESH)
 DA October 12, 1990
 BT1 Management Appraisals
 BT2 Appraisals
 RT Functional Equivalent
 RT Management Appraisals
 SO Construction
 SO Environmental Management
 SO Management
 SO System Safety Development Center Glossary
 DEF (DOE Order 5482.1B) Documented reviews of ES&H specialty disciplines performed in accordance with written guidance and criteria to verify, by examination and evaluation of objective evidence at the facility and/or operation, that applicable elements of the program have been developed, documented, and effectively implemented in accordance with specific ES&H requirements and needs.

FUNCTIONAL EQUIVALENT

(EPA)
 DA October 12, 1990
 RT Equivalent Methods
 RT Functional Appraisals

SO Environmental Protection Agency Glossary
 DEF (EPA) Term used to describe EPA's decision-making process and its relationship to the environmental review conducted under the National Environmental Policy Act (NEPA). A review is considered functionally equivalent when it addresses the substantive components of a NEPA review.

FUNCTIONAL UNITS

(DOE Order 4330.4A)
 DA June 4, 1991
 RT Audits (SSDC)
 RT Facilities
 RT Laboratories
 RT Life Cycle Plans
 RT Plants
 RT Projects
 SO Management
 DEF (DOE Order 4330.4A) Logical and systematic groups of property that are necessary to support the site mission. A functional unit must be described in a breakdown structure for each site in order that it be properly identified and managed. Functional units will vary in size and scope within sites and from site to site, depending on the type or types of activities being carried out. A functional unit will often comprise a total facility (e.g., laboratory, production plant, or utility) but may also be a portion of a facility (e.g., production line, shop, clean room, or tooling). A functional unit is the basic entity for justifying individual projects and must be auditable in terms of mission requirements or performance standards.

FUNCTIONALLY EQUIVALENT COMPONENTS

(SWDA; RCRA)
 DA October 12, 1990
 BT1 Components
 RT Acquisition of the Equivalent
 SO Wastes
 DEF (SWDA; RCRA) Components which perform the same function or measurement and which meet or exceed the performance specifications of another component.

FUNGI

(EPA; USC)
 DA October 12, 1990
 BT1 Plants
 SO Environmental Protection Agency Glossary
 DEF (EPA) (Singular, Fungus) Molds, mildews, yeasts, mushrooms, and puffballs, a group of organisms that lack chlorophyll (i.e., are not photosynthetic) and which are

usually non-mobile, filamentous, and multicellular. Some grow in the ground, others attach themselves to decaying trees and other plants, getting their nutrition from decomposing organic matter. Some cause disease, others stabilize sewage and break down solid wastes in composting. Any non-chlorophyll-bearing thallophyte (that is, any non-chlorophyll-bearing plant of a lower order than mosses and liverworts), as for example, rust, smut, mildew, mold, yeast, and bacteria, except those on or in living man or other animals and those on or in processed food, beverages, or pharmaceuticals.

FUNGICIDES

(EPA)
 DA October 12, 1990
 BT1 Pesticides
 BT2 Hazardous Substances
 NT1 Dinocap
 SO Environmental Management
 SO Environmental Protection Agency Glossary
 DEF (EPA) Pesticides which are used to control, prevent, or destroy fungi.

FURNACE(S)

(2483 FURNACE)
 DA January 3, 1991
 BT1 Heater(s)
 BT2 Equipment/Parts - Heating (DOE FRASE Vocabulary)
 BT3 Equipment
 NT1 Boiler/Industrial Furnaces
 SO DOE FRASE VOCABULARY

FUSE(S)

(2394 FUSE)
 DA January 3, 1991
 BT1 Equipment/Parts - Electrical (DOE FRASE Vocabulary)
 BT2 Equipment
 SO DOE FRASE VOCABULARY

FUSION FACILITY

(1798 FUSION FACIL)
 DA December 10, 1990
 BT1 Facility (DOE FRASE Vocabulary)
 BT2 Facilities and Buildings (DOE FRASE Vocabulary)
 BT3 Facilities
 SO DOE FRASE VOCABULARY

FUSRAP

DA October 12, 1990
 SEE Formerly Utilized Sites Remedial Actions Program
 SO Acronyms

FUSSELL-VESELY

DA January 8, 1991
 SF F-V

FVC

DA October 12, 1990
 SEE Filtered Vented Containment
 SO Acronyms

FW

DA October 12, 1990
 SEE Feedwater
 SO Acronyms

FWA

DA October 12, 1990
 SEE Flow Weighted Average (Delta T)
 SO Acronyms

FY

DA October 12, 1990
 SEE Fiscal Year
 SO Acronyms

FZ

DA October 12, 1990
 SEE Flow Zone
 SO Acronyms

F₂

DA October 12, 1990
 SEE Fluorine
 SO Acronyms

G-M

DA October 12, 1990
 SEE Geiger-Mueller Counters
 SO Acronyms

G-O-S

(NFI)
 DA October 12, 1990
 SO Nuclear Facilities Incident Database
 DEF (NFI) Gang control - off - Single control.

G/T

DA October 12, 1990
 SEE Activity per Ton
 SO Acronyms

gal

DA October 12, 1990
 SEE gallon
 SO Acronyms

GALLERY

(1700 GALLERY)
 DA December 10, 1990
 BT1 Site (DOE FRASE Vocabulary)
 BT2 Sites/Areas
 SO DOE FRASE VOCABULARY

GALLON

DA January 8, 1991
 SF gal
 BT1 Units of Measure

GAME FISH

(EPA)
 DA October 12, 1990

BT1 Fish

BT2 Animals
 SO Environmental Protection Agency
 Glossary
 DEF (EPA) Species like trout, salmon, or bass, caught for sport. Many of them show more sensitivity to environmental change than "rough" fish.

GAMMA RADIATION

(EPA)
 DA October 12, 1990
 SY Gamma Rays
 BT1 Ionizing Radiation
 BT2 Radiation
 RT Radioactive Decay
 RT X-rays
 SO Environmental Protection Agency
 Glossary
 DEF (EPA) Gamma rays are true rays of energy in contrast to alpha and beta radiation. The properties are similar to x rays and other electromagnetic waves. They are the most penetrating waves of radiant nuclear energy but can be blocked by dense materials such as lead.

GAMMA RAYS

(EPA; NIH; NCRP; EMER)
 DA October 12, 1990
 SY Gamma Radiation
 RT Half Value Layer (Half Thickness)
 SO Emergency Preparedness
 SO Radiation
 DEF (NIH) Very penetrating electromagnetic radiation of nuclear origin. Except for origin, identical to x-rays. (NCRP) Electromagnetic radiation frequently accompanying alpha and beta emissions as radioactive materials decay.

GANG TEMPERATURE MONITOR

(NFI)
 DA October 12, 1990
 SF GTM
 BT1 Monitors
 BT2 Equipment
 RT Gangs
 SO Radiation
 DEF (NFI) Activates explosive valves on the SSS.

GANGS

(NFI)
 DA October 12, 1990
 BT1 Control Rod(s)
 BT2 Equipment/Parts - Nuclear (DOE FRASE Vocabulary)
 BT3 Equipment
 BT3 Reactor Components
 RT Gang Temperature Monitor
 SO Nuclear Facilities Incident Database
 SO Radiation
 DEF (NFI) Associated groups of control

rods symmetrically positioned throughout the reactor lattice.

GARAGE

(1780 GARAGE)
 DA December 10, 1990
 BT1 Building (DOE FRASE Vocabulary)
 BT2 Facilities and Buildings (DOE FRASE Vocabulary)
 BT3 Facilities
 RT Maintenance Area
 RT Maintenance Shop
 RT Mechanic/Repairer
 RT Parking Space
 RT Parking Lot
 RT Vehicle Service Area
 RT Vehicle Maint/Repair Activity
 SO DOE FRASE VOCABULARY

GAS CENTRIFUGE ENRICHMENT PLANT

DA January 8, 1991
 SF GCEP
 BT1 Facilities

GAS VOLUME RATIO

(NFI)
 DA October 12, 1990
 SF GVR
 BT1 Ratios
 SO Radiation
 DEF (NFI) Limiting value for lithium target irradiation.

GASEOUS DIFFUSION PLANT

DA January 8, 1991
 SF GDP
 BT1 Facilities
 DEF (NRC Glossary of Terms: Nuclear Power and Radiation) A nuclear power plant using a method of isotopic separation based on the fact that gas atoms or molecules with different masses will diffuse through a porous barrier (or membrane) at different rates. This method is used to separate uranium-235 from uranium-238; it requires large gaseous diffusion plants and enormous amounts of electric power.

GASES

DA February 25, 1991
 NT1 Atmosphere Gases
 NT1 Carbon Dioxide
 NT1 Carbon Monoxide
 NT1 Compressed Gases
 NT2 Compressed Gases in Solution
 NT2 Flammable Compressed Gases
 NT2 Liquefied Compressed Gases
 NT2 Non-Flammable Compressed Gases
 NT2 Non-Liquefied Compressed Gases
 NT1 Exhaust Gases
 NT1 Flue Gases
 NT2 Condenser Stack Gases
 NT1 Methane
 NT1 Natural Gas